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The Gazette of India

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सं० 19] नई विल्ली, शनिवार, मई 13, 1978 (वैशाख 23, 1900)

No. 19] NEW DELHI, SATURDAY, MAY 13, 1978 (VAISAKHA 23, 1900)

इस भाग में भिन्न पृष्ठ सख्त दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके।

Separate paging is given to this Part in order that it may be filed as a separate compilation.

भाग III—खण्ड 2

[PART III—SECTION 2]

पेटेन्ट कार्यालय द्वारा जारी की गई पेटेन्टो और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस
[Notifications and Notices issued by the Patent Office relating to Patents and Designs]

THE PATENT OFFICE

PATENTS & DESIGNS

Calcutta, the 13th May 1978

CORRIGENDA

(1)

In the Gazette of India, Part III, Section 2 dated the 3rd December, 1977 under the heading "Name Index"—
at page 984, Column 1

Against Bayer Aktiengesellschaft for No. 450/Cal/77 read 1450/Cal/77.

For Bengt Ake Kindberg read Bengt Ake Kindberg.
For Brucker, N. read Brucker, H.

at page 984, Column 2.

Against entry Harbans Lal Malhotra & Sons Ltd. add No. 1366/Cal/77.

Against entry Hajtomuvek ES Festoberenderesek Gyara.

Delete No. 1366/Cal/77.

For Hoffman, P. N. read Hoffman, P. H.

For Institut Francais DU Petrole read Institut Francais DU Petrole.

For Kabel -und Metallwerke Gutesoffnungshutte Aktiengesellschaft read Kabel -und Metallwerke Gutehoffnungshutte Aktiengesellschaft.

Against Kerentsev, N. V. for No. 2356/Cal/77 read 1356/Cal/77.

at page 985, Column 1.

For Projektierung Chamische Verfahrenstechnik GMBH read Projektierung Chemische Verfahrenstechnik GMBH.

at page 985, Column 2.

For Shroff, M. G. read Shroff, M. C.

For Societa Italiana Telecommunicazion I Siemens S.P.A. read Societa Italiana Telecommunicazioni Siemens S.P.A.

For Societe D'etudes de Machines Thermiques S.E.N.T.

read Societe D'etudes de Machines Thermiques S.E.M.T.

For Telefanaktiebolaget L.M. Ericsson read Telefonaktiebolaget L. M. Ericsson.

Against entry Toshiba Anand Batteries Ltd. add No. 159/Mas/77.

Against entry Turpin, R.C. (Jr.) Delete No. 159/Mas/77 and

at page 986, Column 1.

For Vsesojuzny etc. read Vsesojuzny Nauchno-Issledovatel'sky I Proektny Institit PO Ochistke Tekhnologicheskikh Gazov, Stochnykh Vod I Ispolzovaniju Vtorichnykh Energoresursov Predpriyaty Chernoi Metallurgii "Vnipicher-metenergoochistka".

at page 986, Column 2.

For Ward Brothers (Sherbura) Ltd. read Ward Brothers (Sherburn) Ltd.

(2)

In the Gazette of India, Part III, Section 2 dated the 7th January, 1978 under the heading "Name Index":—

at page 21, Column 2.

Against Allegheny Ludlum Industries, Inc. for No. 149/Del/77 read 349/Del/77.

Against All One God Faith, Inc. for No. 1460/Cal/77 *read* 1469/Cal/77.

For Alluminuim Company of America *read* Aluminium Company of America.

at page 22, Column 1.

For B nishelis New Systems Ltd. *read* Binishelis New Systems Ltd.

For Edward Ld Bateman I td. *read* Edward L. Bateman Ltd. at page 22, Column 2.

After Glowne Biuro Studiow i Projektow Przerobki Węgla Separator Add a new entry Gosudarstvenny Sojuzny Insti tut Po proektirovaniyu Metallurgii Cheskikh Zavodov.

Against Hoechst Aktiengesellschaft for No. 1993/77 *read* 1493/Cal/77.

For Industries Pirelli SpA. *read* Industrie Pirelli SpA.

Fc. Khaambata, S.D. *read* Khambata, S.D.

at page 23, Column 1.

Against Metallgesellschaft A G. for No. 1574/Cal/77 *read* 1474/Cal/77.

For Oaw Industries Inc. *read* Oak Industries Inc.

at page 23, Column 2.

For Sanos S.A. *read* Sapos S.A.

For Societe Nationale ELF Aquitaine (Production) *read* Societe Nationale ELF Aquitaine (Production).

For Thomson. CSF *read* Thomson—CSF.

at page 24, Column 1.

Against entry Tsentralny etc. Delete Gosudarstvenny etc.

Against Union Carbide India Ltd. for No. 179/Cal/77 *read* 1479/Cal/77.

at page 24, Column 2.

Against Vaidyanathan, S. for No. 160/Mas/77 for 169/Mas/77.

(3)

In the Gazette of India, Part III, Section 2 dated the 28th January, 1978 under the heading "Name Index":—
at Page 77, Column 2

Against Hoechst Aktiengesellschaft for No. 1632/Cal/77 *read* 1637/Cal/77.

For Indian Carton Ltd. *read* Indian Carbon Ltd.

For Jenkins Metal Corp. *read* Jenkins Metal Corp.

For Kriemhil Schlomann GEB Pordan *read* Kriemhild Schlomann GEB Jordan.

at page 78, Column 2.

For Societe D'Etudes DE Produits Chimiques—Societe Anon me *read* Societe D'Etudes DE Produits Chimiques—Societe Anonyme.

Against Stamicarbon B.V. for No. 171/Del/77 *read* 371/Del/77.

(4)

In the Gazette of India, Part III, Section 2 dated the 18th March, 1978 under the heading "Name Index":—
at Page 209, Column 1

For Ghose Destidar, S *read* Ghose Dastidar, S.

Against Hoechst Aktiengesellschaft for No. 1969/Cal/77 *read* 1769/Cal/77

For Imperial Chemicals Industries Limited *read* Imperial Chemical Industries Limited.

at Page 210, Column 1.

For Shell Internationale Research Maatschappij B.V. *read* Shell Internationale Research Maatschappij B. V.

APPLICATION FOR PATENTS FILED AT THE HEAD OFFICE

The dates shown in crescent brackets are the dates claimed under the Section 135 of the Act.

6th April, 1978

376/Cal/78. Gutehoffnungshütte Sterkrade. Mining process, and equipment for carrying out the process, for the combined hydraulic-mechanical production of predominantly hard mineral raw materials.

377/Cal/78. Litton Systems, Inc. Traversing carriage. [Divisional date June 9, 1976].

378/Cal/78. Litton Systems, Inc. Bucket wheel drive. [Divisional date June 9, 1976].

379/Cal/78. Litton Systems, Inc. Belt drive for bucket wheels. [Divisional date June 9, 1976].

380/Cal/78. Litton Systems, Inc. Drive for traversing carriage. [Divisional date June 9, 1976].

7th April, 1978

381/Cal/78. Hoechst Aktiengesellschaft. Process for the preparation of abrasion resistant, nondusting and water-soluble dyestuff particles.

382/Cal/78. Siemens Aktiengesellschaft. A paper support roll mechanism for use in a teletypewriter or other such printing device.

383/Cal/78. Container Cargo Carriers Corporation. A system for handling container cargo and a naval ship and lifting device. [Divisional date May 24, 1976].

10th April, 1978

384/Cal/78. American Home Products Corporation. Process for the preparation of oxanilic acid derivatives. 1 [Divisional date February 7, 1977].

385/Cal/78. American Home Products Corporation. Process for the preparation of oxanilic acid derivatives-2. [Divisional date February 7, 1977].

386/Cal/78. American Home Products Corporation. Process for the preparation of oxanilic acid derivatives-3. [Divisional date February 7, 1977].

387/Cal/78. American Home Products Corporation. Process for the preparation of oxanilic acid derivatives-4. [Divisional date February 7, 1977].

388/Cal/78. Phillips India Limited. An optically-operable electronic tripping circuit.

389/Cal/78. Minnesota Mining and Manufacturing Company. 4-Alkylthio-2-trifluoromethylalkanesulfonyl amides and derivatives thereof.

390/Cal/78. Monsanto Company. Crimped hollow fibers for fluid separations and bundles containing the hollow fibers.

391/Cal/78. Monsanto Company. A process for coating the exteriors of hollow fibers assembly.

392/Cal/78. Monsanto Company. Method for enhancing the selectivity for fluid separation of a membrane.

393/Cal/78. R. Zeimer. Pump without motoric drive.

394/Cal/78. American Cyanamid Company. Oral inhalator powder dispenser.

395/Cal/78. Kumari Susrita. A collapsible column.

396/Cal/78. General Electric Company. Catalytic aromatic carbonate process.

397/Cal/78. General Electric Company. Catalytic aromatic carbonate process.

11th April, 1978

398/CaI/78. Societa Italiana Telecomunicazioni Siemens S.P.A. System for automatically adjusting the repeater gain in a frequency-division transmission system.

399/CaI/78. Ovutime, Inc. Probe for obtaining cervical mucus and process thereof.

400/CaI/78. N. K. Jones. A method of and means for scanning images. (April 13, 1977).

401/CaI/78. International Standard Electric Corporation. Distributed control for switching system.

402/CaI/78. DSO "Pharmachim". Azomethine derivatives of rifamycin SV.

403/CaI/78. Union Carbide Corporation. A process for preparing carbamato carbamoyl fluoride compounds. [Divisional date November 30, 1976].

404/CaI/78. Societa Italiana Telecomunicazioni Siemens S.P.A. Circuit arrangement for automatically equalizing a large-band cable transmission system.

405/CaI/78. R. K. Rai. Wooden box and means for sealing same.

406/CaI/78. N. M. Jha. Design of combined grinding and polishing unit.

12th April, 1978

407/CaI/78. Esmil B. V. Method and equipment for heat exchange.

408/CaI/78. Snampoggetti S.p.A. Methanation reactor.

409/CaI/78. Bunker Ramo Corporation. Contact element for electrical connector.

**APPLICATION FOR PATENTS FILED AT THE
(DELHI BRANCH)**

9th March, 1978

182/Del/78. The Fertilizer Corporation of India Limited. The reduction and removal of hexavalent chromium compounds from effluent water by the use of mineral pyrites to help pollution control.

10th March, 1978

183/Del/78. FMC Corporation. Peroxycarboxylic acids and process for the manufacture thereof.

184/Del/78. Schering Aktiengesellschaft. 1, 2, 3-thiadiazol-3-in-5-ylidene ureas, A process for their manufacture and their use in regulating the growth of plants.

185/Del/78. Bharat Heavy Electricals Limited. A device for generating power.

13th March, 1978

186/Del/78. Dr. D. Ropertz. Electric fuse system for multiple use.

187/Del/78. Racold Appliances Pvt. Ltd. A mounting means.

188/Del/78. LE-Joint Francais. A composite seal ring.

189/Del/78. NL Industries, Inc. Drill screw and methods and apparatus for manufacturing same.

14th March, 1978

190/Del/78. The Standard Oil Company. Process for preparing an oxidation catalyst. [Divisional date December 23, 1975].

191/Del/78. Shell Internationale Research Maatschappij V. B. Dehydrogenation catalyst.

15th March, 1978

192/Del/78. Macenpat G.m.b.H. Container for tape cassette.

193/Del/78. FMC Corporation. Improved retainer ring for cylindrical roller bearings.

194/Del/78. Aluminium Pechiney. A method of self-regulation for a pneumatic conveyor.

195/Del/78. Council of Scientific and Industrial Research. Chemical modification of hides, skins and leathers by graft polymerisation with vinyl monomers for developing leathers with improved properties.

196/Del/78. Council of Scientific & Industrial Research. An evaporator for producing fragmentary crystal clear ice.

197/Del/78. Council of Scientific and Industrial Research. A process for deoiling of crude microcrystalline wax.

198/Del/78. A. N. Vishwakarma and J. G. Srivastava. A simple chemical process for getting a tanning extract from cashew-nut testa in higher yield and of a better quality than hitherto possible.

199/Del/78. A. N. Vishwakarma and J. G. Srivastava. A process to get light coloured, thin, and even tablets, from the blackish-brown to brown, thick, and deformed tablets of domestic kattha (crude kattha; Kanpur kattha, Jungle Kattha, Cottage kattha).

16th March, 1978

200/Del/78. Union Carbide Corporation. Gas liquid contacting tray with improved inlet bubbling means.

201/Del/78. Smith Kline & French Laboratories Limited. Pharmacologically active compounds. (March 19, 1977).

202/Del/78. Ferranti Limited. Data processing. (March 19, 1977).

17th March, 1978

203/Del/78. Bharat Heavy Electricals Limited. Improvement in or relating to solar energy cookers.

204/Del/78. Industrie Pirelli SpA. Improvements in tyre building machinery

205/Del/78. Schering Aktiengesellschaft. 1, 2, 3-thiadiazol-2-ide derivatives, a process for their manufacture and their use in regulating the growth of plants.

206/Del/78. Dr. D. N. Saraf, P. Darshan and Dr. Amitabha Bhattacharyya. Process knowhow of manufacture of wettable sulfur from elemental sulfur.

18th March, 1978

207/Del/78. Council of Scientific and Industrial Research. A process for the re-refining of used lubricating motor oils by simultaneous solvent extraction of the oil and precipitation of the sludge.

20th March, 1978

208/Del/78. Ranbaxy Laboratories Limited. Process for the preparation of 1, 4-benzodiazepin-2-ones.

209/Del/78. Quigley Company, Inc. Sprayer for repairing refractory lining.

210/Del/78. Houilleres DU Bassin DU Nord FT DU Pas-de-Calais. Process by means of which moulded coke can be obtained from non-cokable coals.

211/Del/78. Miles Laboratories, Inc. Test composition and device for determining peroxidatively active substances. (January 25, 1978).

212/Del/78. MacGREGOR International S.A. Improvement in or relating to a port ramp for access to a roll-on roll-off ship.

21st March, 1978

213/Del/78. S. Jain. An electrical dipper.

214/Del/78. Racold Appliances Pvt. Ltd. An electrical cooking appliance.

215/Del/78. Bharat Heavy Electricals Limited. Electrical vacuum fuses.

ALTERATION OF DATE

144497

1578/Cal/77. } Ante-dated November 21st, 1975.

COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in the opposing the grant of patents of any of the applications concerned may at any time within four months of the date of this issue or on form 14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months give notice to the Controller of Patents at the appropriate office as indicated in respect of each such application, on the prescribed form 15 of each opposition. The written statement of opposition should be filed along with the said notice or within one month from its date as prescribed in Rule 35 of the Patents Rules 1972.

"The classifications given below in respect of each specification are according to Indian Classification and International Classification."

A limited number of printed copies of the specifications listed will be available for sale from the Government of India, Book Depot, 8 Kiran Shankar Ray Road, Calcutta in due course. The price of each specification is Rs. 2/- (postage extra is sent out of India) Requisition for the supply of the printed specifications should be accompanied by the number of the specifications as shown in the following list.

Typed or photo copies of the specifications together with the photo copies of the drawings, if any can be supplied by the Patent Office, Calcutta on payment of the prescribed copying charges which may be ascertained on application to that office.

CLASS 24A.

144491.

Int. Cl.-B60t 13/02.

VEHICLE BRAKE ACTUATORS.

Applicant : GIRLING LIMITED, OF KINGS ROAD, TYSELEY, BIRMINGHAM 11, ENGLAND.

Inventor : GLYN PHILLIP REGINALD FARR.

Application No. 1113/Cal/75 filed June 4, 1975.

Convention date June 13, 1974/(26212/74) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims.

A vehicle brake actuator of the kind set forth in which the axes of movement of the two tappets are in line, the inner end face of the first tappet is normal to the axis of movement of the said first tappet, and the line of action of the wedge member is inclined to the plane of the said inner end face of the first tappet.

CLASS 72B.

144492.

Int. Cl.-C06b 13/00.

SAFETY EXPLOSIVE COMPOSITION FOR USE IN COAL MINES.

Applicant : IMPERIAL CHEMICAL INDUSTRIES LIMITED, OF IMPERIAL CHEMICAL HOUSE, MILL-BANK, LONDON SW 1, ENGLAND.

Inventor : GORDON HUNTRY MCCALLUM.

Application No. 2158/Cal/75 filed November 11, 1975.

Convention date December 13, 1974/(53945/74) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

13 Claims. No drawings.

A safety explosive composition for use in coal mines which composition comprises self-explosive sensitizing material, oxygen-producing salt, fuel and flame-quenching salt, characterised in that the composition comprises (a) ammonium chloride

which serves both as a fuel and a flame-quenching salt, and (b) urea or thiourea as complementary fuel material to reduce the amount of hydrogen chloride in the detonation products.

CLASS 55D & 62D.

144493.

Int. Cl.-C12b 1/08, C12d 13/10, C07g 7/028, D06m 15/02.

A METHOD OF SOFTENING AND UPGRADING BARKY JUTE/BARKY ROOT CUTTINGS.

Applicant : THE DIRECTOR, JUTE TECHNOLOGICAL RESEARCH LABORATORIES, INDIAN COUNCIL OF AGRICULTURAL RESEARCH, 12, REGENT PARK, CALCUTTA-40, WEST BENGAL, INDIA.

Inventor : DR. NISHI BHUSAN PAUL.

Application No. 1969/Cal/76 filed October 29, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

1 Claim. No drawing.

A method of softening and upgrading barky jute/barky root cuttings in which barky jute/root cuttings are inoculated with the mat of fungal culture (*Penicillium corylophilum* Dierckx) grown in potato-dextrose broth at a temperature of 27 to 36°C preferably at 30-32°C and piled at room temperature for 2-4 days under cover when the enzyme (pectinases) secreted by the fungal culture decomposes the barky portions of jute/root cuttings and then the softened materials are processed in normal jute machinery.

CLASS 127-D.

144494.

Int. Cl. F01b 31/00.

MOTION CONVERTOR.

Applicant & Inventors : CLIVE ROYDON PUZEY, A RHODISION CITIZEN, EDWARD DENZIL DUNDONALD COCHRANE, A SOUTH AFRICAN CITIZEN, AND JAMES WILLIAM TURNER, A BRITISH CITIZEN, ALL OF 37, AIRTREE AVENUE, SAVAJ, JOHANNESBURG, REPUBLIC OF SOUTH AFRICA.

Application No. 5/Cal/75 filed January 2, 1975.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims.

A motion converting machine comprising a piston movable to and fro in the direction of its longitudinal axis within a cylinder and capable of oscillatory movement about that axis, a rotor mounted adjacent the piston for rotary movement about an axis intersecting the longitudinal axis of the piston, a torque arm rooted on the piston, a head formed on the free end of the torque arm and a socket in the rotor adapted to house the head so that the torque arm can transmit motion between the piston and the rotor with the improvement that the socket is formed in a body capable of moving to and fro along a passage formed within the rotor, the axis of the passage being parallel to the axis of rotation of the rotor.

CLASS 63-H.

144495.

Int. Cl. H02k 1/00.

ELECTROMAGNETIC DEVICES.

Applicant : SIMMS GROUP RESEARCH & DEVELOPMENT LIMITED, OF WELL STREET, BIRMINGHAM B19 2XF, ENGLAND.

Inventor : ALEC HARRY SELLY.

Application No. 347/Cal/75 filed February 24, 1975.

Convention date, February 26, 1974 (8606/74) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

23 Claims.

An electromagnetic device comprising a pair of relatively movable magnetisable members and a winding or windings through which can be passed an electric current to produce

1 magnetic field to effect relative movement of the members
in which, one of said members defines a plurality of slots disposed in side by side relationship on one face of the one member, the other member defining a plurality of projections entering into the slots respectively and of a smaller width than the slots, some or all of said slots accommodating an electrical winding, the connection of the winding or windings being such that any two slots in which the flow of current in the windings therein is in the same direction are separated by a slot with either no winding or with a winding in which the flow of current is in the opposite direction, the arrangement being such that if the members are positioned so that the projections are not centrally disposed in the slots, the members will be urged relative to each other in an attempt to reduce the size of the smaller gap between each projection and the side faces of the associated slot.

CLASS 14-C & 102-D.

144496.

Int. Cl. F15b 5/00.

CONTROL CHECKING DEVICE FOR AN OLEOPNEUMATIC STORAGE CELL OF HYDRAULIC INSTALLATION.

Applicant: DELLE-ALSTHOM, OF 130 RUE LEON BLUM 69611, VILLEURBAUM, FRANCE.

Inventor: PIERRE PRABEL.

Application No. 544/Cal/75 filed March 19, 1975.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims.

Control checking device for an oleopneumatic storage cell of a hydraulic installation comprising a mobile piston separating a gas chamber under pressure from a hydraulic liquid chamber communicating with the circuit of the hydraulic installation characterized in that the limiting of the minimum volume of the gas chamber generated by an abnormal movement of the piston is obtained by the opening of the clack of a discharge valve for the fluid, the said opening being controlled by the abnormal position of the piston.

CLASS 85-G & 90-1.

144497.

Int. Cl. C03b 5/08.

APPARATUS FOR INTERMINGLING ADDITIVE CONSTITUENTS INTO A MOLTEN GLASS STREAM.

Applicant: OWENS-CORNING FIBERGLASS CORPORATION, OF TOLEDO, OHIO, UNITED STATES OF AMERICA.

Inventors: MAGNUS LAIRD FROBERG, RALPH LESTER TIEDE, MAX GENE CHRISMAN, & GARY WALTER GANZALA.

Application No. 1578/Cal/77 filed November 2, 1977.

Division of application No. 2224/C/75 filed November 21, 1975.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

2 Claims.

Apparatus for intermingling additive constituents into a molten glass stream comprising a glass melter, a forehearth channel extending from said melter, two tandem blocks extending across said channel width in a dam like manner having a height less than that of the molten glass working level within said channel, each said block having a cylindrical passage extending from the block top surface toward the channel floor communicating with a longitudinally intersecting passageway extending from said cylindrical passage toward and opening upon a widthwise block surface, a screw type spiral stirrer means positioned within the cylindrical passage of each block, said tandem blocks oriented such that the longitudinal passageway of the upstream block opens upon the downstream block widthwise surface and the longitudinal passageway of the downstream block opens upon the block upstream widthwise surface in an opposing manner one to the other, the respective spiral stirrers being operated such

that the upstream stirrer blends and pumps molten glass flowing over the block top surface downward through said block existing downstream thereof and downstream stirrer blending and pumping molten glass upward through said block existing at and flowing over the downstream block's top surface.

CLASS 99-E.

144498.

Int. Cl. B21d 22/08; 24/08.

A CAM OPERATED PRESS.

Applicant: METAL BOX LIMITED, OF QUEENS HOUSE, FORBURY ROAD, READING RG1 3JH, BERKSHIRE, ENGLAND.

Inventors: JOZEF TADEUSZ FRANEK & PAUL PORUCZNIK.

Application No. 909/Cal/75 filed May 6, 1975.

Convention date May 6, 1974 (19883/74) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

11 Claims.

A single action cam operated press comprising two end frames in spaced relationship to each other, an axle spanning the distance between said end frames, means for rotating said axle, said axle having fixed thereto a tool bolster and a turret in axial spaced relationship to each other, said tool bolster carrying a plurality of first tools, a plurality of rams disposed for reciprocal motion parallel to said axle, a plurality of guide ways defined by said turret for guiding the reciprocal motion of said rams, drum cam means fixed to a first of said end frames remote from said tool bolster, each ram having at an end frame remote from said tool bolster, each ram having at an end thereof adjacent said first end frame a follower in contact with said drum cam means, each ram having at end thereof adjacent said tool bolster a second tool with pairs of said first and second tools being in axial alignment, wherein said drum cam means, 5, 6 is in spaced axial relationship to said tool bolster 9 and said turret 8, said drum cam means 56 being operative during rotation of said tool bolster 9 turret 8 and rams 10 to move said rams in a sequence of motion including :

- (a) substantially impact free engagement of a work piece between said first and second tools followed by
- (b) a work piece 21 forming operation beginning at zero velocity of said rams 10 at controlled acceleration and terminates with controlled deceleration followed by
- (c) a return stroke of said rams 10 of greater linear velocity than the forming operation, and
- (d) said return stroke includes at least one period of deceleration during which the formed article is stripped from the punch, 26.

CLASS 185-B & C.

144499.

Int. Cl. A23f 3/00.

PROCESS FOR THE PREPARATION OF A DRY LEAF TEA.

Applicant: UNILEVER LIMITED, OF UNILEVER HOUSE, BLACKFRIARS, LONDON EC4, ENGLAND.

Inventors: PHILIP COGGON, HAROLD NATHANIEL GRAHAM, ANDREW CHARLES HOEFLER & GARY WARNER SANDERSON.

Application No. 642/Cal/76 filed April 15, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims. No drawings.

A process for the preparation of a dry leaf tea, wherein comminuted green tea leaf is contacted with tannase, and the treated leaf is dried.

CLASS 26.

144500.

Int. Cl. A46b 11/02.

TOOTHBRUSH.

Applicant: TRISA BURSTENFABRIK AG TRIENGEN, OF 6234, TRIENGEN, SWITZERLAND.*Inventors*: WALTER MEYER & ANTON BARA.

Application No. 1207/Cal/76 filed July 7, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims.

A toothbrush comprising a bristle carrier, a set of bristles on said carrier near one end thereof, rigid handle containing a reservoir for liquid or pasty dentifrice, a duct leading from the reservoir through the bristle carrier to the set of bristles, and an actuating mechanism facing toward the reservoir and comprising a spring member which urges the reservoir in a direction out of the handle, as well as a piston which is borne by the bristle carrier at its end facing away from the bristles, and being firmly connected thereto, which piston has a passage being connected to said duct and to the interior of said reservoir; and a cylindrical sleeve being provided on said reservoir into which said piston protrudes, said piston being displaceably guided in and in sealing connection with said sleeve in unactuated as well as in an actuated position, whereby, when the piston is pushed into the sleeve in the direction towards the reservoir, dentifrice is conveyed through said piston passage and said duct onto the bristles, and wherein the reservoir is displaceable in axial direction of the handle so that it protrudes with its outer end out of the handle, the latter being open at its end away from the bristle carrier, and wherein the reservoir can be displaced into the handle for conveying dentifrice on to the bristles, said reservoir having an opening connecting the interior of the reservoir with the interior of said sleeve, characterized in that said piston carries, at its end facing toward said reservoir, a sealing element being permanently in sealing engagement with the inner wall of said sleeve; said piston further comprising, housed in the passage therethrough, a valve body which is displaceable relative to the piston said valve body closing said opening toward the end of each stroke of the piston into said sleeve, and freeing said opening again when the piston is moved in the sleeve in a direction away from the reservoir.

CLASS 86-B.

144501.

Int. Cl. A47c 4/36.

COLLAPSIBLE CHAIR.

Applicant: GRESHAM & GRAVEN OF INDIA (PRIVATE) LTD., OF 22, GOBRA ROAD, CALCUTTA-14, WEST BENGAL, INDIA.*Inventor*: SUBODH KUMAR DE.

Application No. 1915/Cal/76 filed October 20, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims.

A folding chair comprising two pairs of side frames, a seat of flexible material between said side frames, said frames constituting the legs and extending above the seat to provide support for the back rest characterized in that the two legs in each frame are permanently kept apart by means of braces while the two front legs and the rear two legs of the two side frames respectively are connected to each other by cross members pivotally connected to each other at the crossing points, the lower end of each cross member being pivotally connected to the leg, the opposite end of each cross member being in slidably engagement with the opposite leg.

CLASS 166-G & 147B & C.

144502.

Int. Cl. B66j 7/00; 19/00.

HYDRAULICALLY DAMPED LIFTING MECHANISM FOR THE PICK-UP ARM OF A RECORD PLAYER.

Applicant: PHILIPS INDIA LIMITED, OF 7, JUSTICE CHANDRA MADHAB ROAD, CALCUTTA-700020, WEST BENGAL, INDIA, & HAVING THEIR HEAD OFFICE*AT SHIVASAGAR ESTATE, BLOCK 'A', DR. ANNIE BESAND ROAD, WORLI, BOMBAY-400018.**Inventor*: SOMENATH BANERJEE.

Application No. 1635/Cal/77 filed November 21, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims.

A hydraulically damped lifting mechanism for the pick-up arm of a record player, comprising a lift spindle adapted to support the pickup arm; a dash pot lever rotatably located in a housing filled with a highly viscous damping fluid and having extending without said housing a first limb operatively coupled to said lift spindle and tensioned by a first spring member which tends to turn the dash pot lever in one direction so as to lower the lift spindle and a second limb connected to a lift lever provided on the control panel of the record player through a second spring member and a non-extensible cord so that when said lift lever is moved into lift-up position the second limb is pulled and the dash pot lever rotated in another direction opposite to said one direction to cause said first limb to raise the lift spindle and so that when said lift lever is moved into lift-down position the tension in the cord and said second spring member is released.

CLASS 119 B & C & 127-L.

144503.

Int. Cl. D03c 9/00, 13/00 & G91d 21/00.

AN INSTRUMENT OR DEVICE FOR DETECTING/MEASURING/RECORDING/CHECKING TIGHTNESS AND SLACKNESS IN A CLOSED LOOP OSCILLATING SYSTEM IN GENERAL AND IN SHEDDING MECHANISM OR A LOOM IN PARTICULAR.

Applicant: AHMEDABAD TEXTILE INDUSTRY'S RESEARCH ASSOCIATION, P.O. POLYTECHNIC, AHMEDABAD 380 015, GUJARAT STATE, INDIA.*Inventors*: MAHESH CHANDRA PALIWAL & ARVIND GANDALAL SHAH.

Application No. 333/Bom/75 filed November 24, 1975.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

9 Claims.

An instrument or device for detecting/measuring/recording/checking tightness and slackness in a closed loop oscillating system in general and in shedding mechanism of a loom in particular comprising a tubular body, a tension such as coil spring suspendedly disposed in said tubular body, lower end of said spring rigidly held to lower end of said body, lower end of said body adapted to be rigidly connected to one treadle lever of the loom, upper end of said spring held by a hook, referred to as indicator hook, said indicator hook adapted to be rigidly connected to one of the top rollers of the loom, (heald shafts being omitted), corresponding to said treadle lever; rigidly connected horizontal lever on vertical arm of said indicating hook, said horizontal lever located inside the body and projecting through elongated slot on the walls of said body; graduated scale on said body alongside said elongated slot, graduations in said scale being both above and below zero resting point of said horizontal lever, above and below which said horizontal lever travels during tightness and slackness in the system.

CLASS 32F,b & 55E.

144504.

Int. Cl.-C07d 99/24, A61k 21/00.

PROCESS FOR PREPARING 6-AMINOPENICILLANIC OR 7-AMINODEXACETOXYCEPHALOS PORANIC ACID DERIVATIVES.

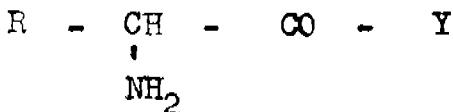
Applicant: DOBFAR SPA, OF VIA MARZABOTTO, 20059, VIMERCATE, MILANO, ITALY.*Inventors*: BROGGI RENATO AND FALCIANI MARCO.

Application No. 1012/Cal/76 filed June 10, 1976.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

2 Claims.

Process for the preparation of amino acid derivatives of general formula I.



wherein R represents a phenyl group optionally substituted by an hydroxy group at para position or 1, 4-cyclohexadienyl radical and Y represents the residue of the 6-amino-penicillanic acid or the residue of the 7-aminodeacetoxycyclolosporanic acid characterized by the fact that an amino acid of the formula Y-H wherein Y has got the meaning defined above is reacted in a suitable solvent such as herein described with N, N'-bis-trimethylsilylurea at the boiling temperature of the solvent then the reaction mixture is reacted with the halo-acid salt of the halide of the acid selected from the group consisting of 2-amino-2-phenylacetic acid, 2-amino-2-p-hydroxyphenylacetic acid and 2-amino-2-(1, 4-cyclohexadienyl) acetic acid, all of them in their D(-) or L(+) forms or mixture of two forms, and after removing of trimethylsilyl group by a method such as herein described the desired compound I is separated by known techniques.

CLASS 36A₁. 144505.

Int. Cl.-F04d 1/00, 29/04.

CENTRIFUGAL PUMP UNIT.

Applicant: SIHTI GMBH & CO. KG., OF LINDENSTRASSE 170, 2210 ITZEHOE/HOLSTEIN, WEST GERMANY.

Inventors: DR-ING. WILFRIED LEHMANN, ING. HERMANN MULLER AND BODO BARANEK.

Application No. 1169/Cal/76 filed July 1, 1976.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims.

A centrifugal pump unit comprising a pump with pump housing, pump shaft and at least one impeller, a motor with a motor housing and a motor shaft coaxial to the pump shaft, and an intermediate housing which is securely attached to the pump housing and to the motor housing, the end of the pump shaft nearer the motor being formed as a hollow shaft for reception of the motor shaft therein and being supported by bearing means provided in the intermediate housing, which bearing means in the intermediate housing are formed exclusively by a thrust bearing.

CLASS 94G. 144506.

Int. Cl.-B28d. 1/32.

IMPROVEMENTS IN OR RELATING TO THE MET GRINDING OF MICA.

Applicant & Inventor: JOSEPH DAVIES, OF 22, WENTWORTH CRESCENT, ASH VALE, SURREY, UNITED KINGDOM.

Application No. 2184/Cal/76 filed December 10, 1976.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

24 Claims.

A continuous process for producing wet ground mica comprising continuously feeding mica scrap and water in a main tank and a high shear continuous grinding machine associated with said main tank; continuously grinding the mica scrap sucked into said grinding machine; and continuously discharging the ground mica slurry for further processing, the rate of feed of mica scrap being substantially equal to the discharge rate of the mica slurry.

CLASS 97H. 144507.

Int. Cl.-F 24c 7/06.

AN ELECTRIC COOKER.

Applicant & Inventor: MOHAN LALL KUTHIALA 'SUKHIA', TRADING AS ANNAPURNA ELECTRICAL ENTERPRISES, YAMUNA STREET, P.O. YAMUNA-NAGAR-135001, DISTRICT AMBALA, HARYANA, INDIA.

Application No. 72/Del/76 filed December 27, 1976.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

5 Claims.

An electric cooker for domestic use as well as for use in hotels and restaurants adapted to cook different kinds of vegetables, meats and delicacies comprising two cooking chambers having insulated side handles and co-axial steam pipes provided with apertures or steam inlets, characterised in that the lower cooking chamber is vertically fitted over the steam chamber which carries a coiled electric filament and a hopper like pocket having an aperture/water inlet at its lower end; the flow of steam in the cooker being regulated by means of steam regulating keys provided on the cooking chambers.

CLASS 53E.

144508.

Int. Cl.-B62m 11/12.

AN IMPROVED VEHICLE.

Applicant & Inventor: AYYIASWAMY VAJJIRAVEL, POSTS & TELEGRAPHS, 62/2, MUNI MAICKEN LANE, RAJA STREET, COIMBATORE-1, TAMILNADU, INDIA.

Application No. 86/Mas/76 filed May 10, 1976.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

5 Claims.

An improved vehicle comprising of four wheels, two wheels of which are mounted to the front of a chassis frame and the remaining two wheels are mounted near the rear end of the said frame, the front two wheels being connected to a steering wheel, characterised in that there is provided a pair of pedals operating a first shaft through a chain of gear wheels, said first shaft being rotatively connected with the rear wheel shaft through sprockets and chains with or without any intermediate shaft rotatively connected with said first shaft and said rear wheel shaft.

CLASS 24E.

144509.

Int. Cl.-B60t 8/00, F16d 55/14.

AUTOMATIC ADJUSTER FOR VEHICLE BRAKES.

Applicant: GIRLING LIMITED, OF KINGS ROAD, TYSELEY, BIRMINGHAM 11, ENGLAND.

Inventors: ROBERT JOSEPH WARNOCK AND CHARLES NEWSTEAD.

Application No. 272/Cal/75 filed February 13, 1975.

Convention date February 19, 1974/(7609/74) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

11 Claims.

An automatic adjuster for a vehicle brake comprising an extensible strut having two co-axial parts in screw-threaded engagement, the inner part being non-rotatable and the outer part being effectively axially fixed, a driving sleeve slideable on the outer part of the strut and connected thereto through a one-way drive, and at least one slot on the driving sleeve adapted to co-operate with a pin, the adjuster being provided with reset member which is movable axially to push the driving sleeve clear of the pin, thus enabling the outer part of the strut to be rotated in the strut shortening direction.

CLASS 10-B & 72-D.

144510.

Int. Cl. B42d 1/02; 5/04.

A JUMPING MINE MADE OF PLASTIC.

Applicant & Inventor : WILHELM GROSSE-BENNE, OF GALBREITE 16, 573, MENDEN/SAUERLAND, WEST GERMANY.

Application No. 1115/Cal/75 filed June 4, 1975.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims.

A plastic jumping mine consisting of an injection moulded or pressed, cylindrical, temperature-resistant and impact-resistant plastic section provided with an external ring-shaped chamber for accommodating pre-fabricated splinters and an internal cup-shaped chamber for accommodating an explosive charge, a guide tube containing propellant charge and a primer holder with detonator tube.

CLASS 32-E.

144511.

Int. Cl. C08f 1/64.

PROCESS FOR THE HIGH YIELD PREPARATION OF ETHYLENE-1, 3-BUTADIENE COPOLYMERS.

Applicant : ANIC S.P.A. AT PALERMO, VIA M. STABILE, 216, ITALY.

Inventor : ANTONIO CARBONARO.

Application No. 1386/Cal/75 filed July 16, 1975.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims. No drawings.

Process for the high yield preparation of ethylene-butadiene copolymers consisting in performing the polymerization reaction in one or more hydrocarbon solvents such as hereinbefore described in the presence of a catalytic system constituted by :

- (a) one or more vanadium compounds soluble in the above said solvents selected among the tetra-and pentavalent and complexed trivalent vanadium halides, vanadium alcoholates, vanadium and vanadyl chelates;
- (b) one or more aluminium compounds having the formula R_1R_2AlX in which R_1 and R_2 , the same or different, are alkyl, cycloalkyl, alkyaryl and aryl radicals containing 1 to 18 carbon atoms or hydrogen and X is halogen, preferably selected between chlorine or bromine;
- (c) one or more acid compounds according to Lewis or Bronsted;
- (d) thionyl chloride and/or hexachlorodicyclopentadiene.

CLASS 148-L.

144512.

Int. Cl. G03c 1/74; 7/86.

A PROCESS FOR THE PREPARATION OF A SENSITIVE ZINC OXIDE ELECTROSTATIC PHOTOGRAPHIC PAPER.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-1, INDIA.

Inventors : CHITTARI VENKATA SURANARAYANA, (2) ALUR SUNDARAM LAKSHMANAM, (3) JAGANNATH KUPPUSAMI & KUNJUMANI CHANDRAN.

Application No. 2168/Cal/75 filed November 13, 1975.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

9 Claims. No drawing.

Process for the preparation of sensitive zinc oxide electrostatic photographic paper for use in reprographic industry characterized in intimately dispersing pure zinc oxide of

particle size of 0.3 to 0.5 micross in non-polar organic solvents admixed with a resinous binder material adding a combination of sensitizing dyes as exemplified herein in solution form and continuing the blending in a high speed blender to obtain in mixture of zinc oxide, resin and dyes of uniform consistency and coating this mixture on to base paper pretreated with a solution like polyvinyl acetate to impart to the paper solvent holdout property and increased conductivity and drying the coated paper.

CLASS 158-C..

144513.

Int. Cl. B61k 1/00.

RAILWAY CAR COUPLER.

Applicant : MIDLAND-ROSS CORPORATION, OF 55, PUBLIC SQUARE, CLEVELAND, OHIO 44113, UNITED STATES OF AMERICA.

Inventor : KENNETH LOUIS DE PENTI.

Application No. 540/Cal/76 filed March 29, 1976.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims.

A knuckle-type railway car coupler having a head with a lock receiving chamber, said head having a guard arm on one side thereof and a knuckle pivoted to the other side thereof, said knuckle being movable from closed to open position, a lock in said chamber comprising an upper body portion, said lock having a locking position relative to said knuckle to hold the latter in closed position and being movable upwardly in said chamber to an unlocking position relative to the knuckle, said lock being adapted to drop by gravity from said unclocking position to said locking position when said knuckle is swung to its closed position, a vertically extending guide rib in said chamber disposed on the knuckle side of said head, said lock body portion having on one side thereof at its upper end a laterally extending lug the rear surface of which is adapted to engage said rib to guide the lock and limit rearward tilting thereof during downward movement of the latter toward said locking position, lug means in said head on the guard arm side thereof extending laterally into said chamber and disposed directly rearward of said lock body portion when the lock is in said locking position, said lock body portion having a rear surface adapted to engage said lug means to limit rearward displacement of the lock when in its locking position, said lock body portion having a bevelled rear surface of substantial length commencing at the lower edge of the rear surface of the lock body portion and extending downwardly and forwardly to the bottom of the lock body portion, said bevelled surface being so arranged that, upon dropping of said lock from said unlocking position during closing of the knuckle, said bevelled surface is initially spaced from the lug means and will always make sliding contact with said lug means thereby permitting dropping of the lock to said locking position.

CLASS 32A. & F₂a & 62.

144514.

Int. Cl. C09b 31/02; D06p 1/02.

PROCESS FOR THE PREPARATION OF STABLE MODIFICATION OF A DISAZO DYESTUFF.

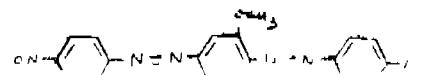
Applicant : HOECHST AKTIENGESELLSCHAFT OF 6230 FRANKFURT/MAIN 80, FEDERAL REPUBLIC OF GERMANY.

Inventor : REINHARD HAHNLE, 2) KONRAD OPITZ. Application No. 930/Cal/76 filed May 28, 1976.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims.

Process for the preparation of the modification O being stable under dyeing conditions of the dyestuff of the formula 1.



being characterized by the X-ray diffraction diagram with

the characteristic reflexes at the following glance angles (—) (Figure 3).

angle (—)	4.0°	5.0°	8.15°	12.7°	13.5°
intensity	0.31	0.38	1.00	0.92	0.63

wherein the dyestuff of formula (1) being unstable under dyeing conditions (modification) and being characterized by the X-ray diffraction spectrum shown in figure 1 is heated in an aqueous suspension at a temperature of from 50° to 95°C.

CLASS 32F.b.

144515.

Int. Cl. C07d 7/04; C12d 9/22.

PROCESS FOR THE PRODUCTION OF FORTIMICIN C.

Applicant: KYOWA HAKKO KOGYO CO. LTD., OF 6-1, OHTEMACHI ITCHOME, CHIYODA-KU, TOKYO, JAPAN.

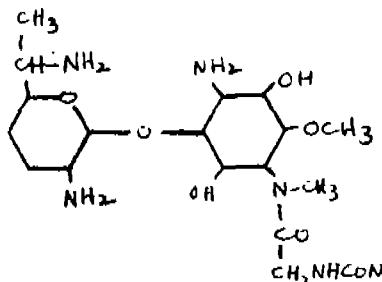
Inventors: TAKASHI NARA, (2) RYO OKACHI, (3) MITSUYOSHI YAMAMOTO, (4) YASUKI MORI, (5) MORIYUKI SATO, (6) MASAHIRO SUGIMOTO, & YOSHIKI SHIMIZU.

Application No. 1336/Cal/76 filed July 27, 1976.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims.

A process for producing fortimicin C, a composition of matter having an antibacterial activity, having the structural formula 1.



or pharmaceutically acceptable acid addition salts thereof, which comprises culturing a fortimicin C producing microorganism belonging to the genus *Micromonospora* in a nutrient medium until substantial antibacterial activity is detected in the culture liquor and thereafter isolating in a known manner Fortimicin C therefrom, and if desired converting the products into their pharmaceutically acceptable acid addition salts in a known manner.

CLASS 40-F.

144516.

Int. Cl. B01j 9/00;

ROTOR FILM COLUMN FOR MAKING CONTACT BETWEEN GAS AND LIQUID.

Applicant & Inventors: ALEXANDR VLADIMIROVICH SHAFRANOVSKY, MOSKOVSKAYA, OBLAST, BALASHIKHA MOLODEZHNAЯ ULITSA, 4, KV 7, USSR. (2) VIKTOR MARKOVICH OLEVSKY, LENINGRADSKY PROSPEKT 75A, KV. 91, MOSCOW, USSR. (3) VLADIMIR KAZIMIROVICH CHUBUKOV, KOMSOMOLSKY PROSPKT, 41, KV 97, MOSCOW, USSR. (4) JURY ALEXANDROVICH BASKOV, SHOSSE ENTUZIASTOV, 156, KV 20, MOSCOW, USSR.

Application No. 1349/Cal/76 filed July 28, 1976.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims.

A rotor film column for making contact between a gas and a liquid comprising a housing with branch pipes for feeding the gas into its bottom part, for removing the gas from its top part, for feeding the liquid into the housing and for removing its therefrom; a vertical shaft rotatably mounted in the housing; a plurality of contact stages secured on the shaft at a certain distance one from another and formed by bands shaped in the form of spirals diverging from the shaft and provided with substantially transverse corrugations, the

2-67 GI 78

bands being flanged towards the shaft; devices for transferring the liquid from one contact stage to another, made in the form of annular pockets secured on the inner wall of the housing and used for collecting the liquid thrown down from the contact stages; overflow trays arranged in the space between the contact stages, the receiving ends of the trays communicating with the annular pockets for collecting the liquid flowing down from the contact stages being located above the trays and the discharge ends overlying the contact stages being arranged under the overflow trays.

CLASS 32F.b.

144517.

Int. Cl. C10j 3/20; & 3/40.

A GAS PRODUCER HAVING IMPROVED GRATE AND COAL/COKE DISTRIBUTOR.

Applicant: KOPPERS INDIA PVT. LTD., OF 36, GANESH CHANDRA AVENUE, CALCUTTA-13, STATE OF WEST BENGAL, INDIA.

Inventor: RADHYA SHYAM GUPTA.

Application No. 1575/Cal/76 filed August 27, 1976.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

14 Claims.

A gas producer comprising a gas holding chamber, coal/coke feeding means at the top thereof, coke distribution means within the said chamber at its upper end, a grate for the interaction of incandescent coke and steam-air-mixture within said chamber at its lower end, and inlet means for steam-air mixture characterized in that the coke/coal distribution means consists of a hollow body capable of revolving during its operation, the upper end of the hollow body being in flow communication with the coke/coal feeding means while the lower end of the hollow body has a plurality of coke/coal distribution channels, each said channel being inclined at different angles from the centre of the hollow body and extending to or scanning different areas within the said chamber.

CLASS 32F.b.

144518.

Int. Cl. C07d 49/30.

PROCESS FOR THE PRODUCTION OF NEW IMIDAZOLE DERIVATIVES.

Applicant: NORDMARK-WERKE GESELLSCHAFT MIT BESCHRANKTER HAFTUNG HAMBURG, WERK PETERSEN/HOLSTEIN IN D-2082 UETERSEN, GERMAN FEDERAL REPUBLIC.

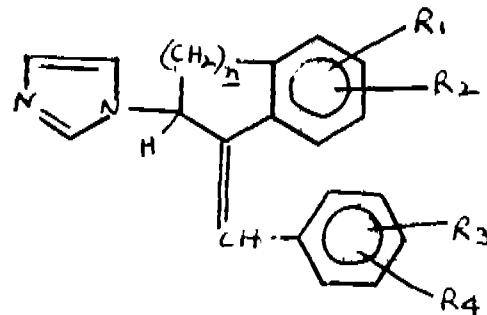
Inventors: DR. KLAUS GUTSCHE, (2) DR. FRIEDRICH WILHELM KOHLMANN, & DR. PETER SCHARWACHTER.

Application No. 1921/Cal/76 filed October 21, 1976.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

1 Claim.

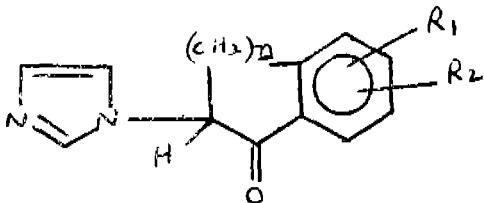
A process for the production of new imidazole derivatives corresponding to the general formula 1.



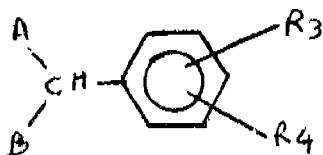
in which R₁, R₂, R₃, and R₄, which may be the same or different, represent hydrogen, chlorine, bromine, lower alkyl groups with 1 to 4 carbon atoms or lower alkoxy groups with

1 to 4 carbon atoms and n is an integer from 0 to 2 the valencies liberated being saturated by hydrogen where $n=0$,

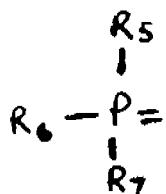
and their pharmacologically compatible salts with acids comprising reacting a compound corresponding to the general formula V.



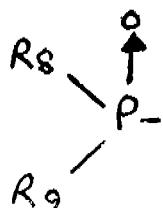
in which n , R₁ and R₂ have the same meaning as in formula I, by the method of Wittig's carbonyl olefination with a phosphorus derivatives corresponding to the general formula IIa.



in which R₃ and R₄ have the same meaning as in formula I and A and B either together represent the groupment of the general formula IIb.



general formula IIb, or A is the groupment of the general formula IIc.



and B is an ionically bound alkali metal in said formula IIb and IIc. R₅, R₆, and R₇ which may be the same or different, represent the phenyl radical, the *p*-carboxyphenyl radical, the *p*-dimethylaminophenyl radical, the dimethylamino, piperidino or morpholino group, alkyl radicals with 1 to 3 carbon atoms or the cyclohexyl group,

and

R₈ and R₉ which may be the same or different, represent lower alkoxy radicals with 1 to 3 carbon atoms or phenyl radicals, and if desired, the compounds obtained are converted into pharmacologically compatible salts with acids.

CLASS 130F.

144519.

Int. Cl. B22d 41/00 & 35/00.

IMPROVED REFRACTORY LINED LADLE FOR HANDLING MOLTEN METALS, AND METHOD FOR MAKING SUCH LINING.

Applicant: ORISSA INDUSTRIES LIMITED, OF KATCHI ROAD, ROURKELA-1, ORISSA, INDIA.

Inventors: KASHI PRASAD JHUNJHUNWALA, (2) MR. RAMESHWAR MISHRA, & MR. JUGAL KISHORE MOHANTO.

Application No. 1459/Cal/77 filed September 29, 1977.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims.

A refractory lined ladle for handling molten metal wherein a plurality of refractory bricks are provided, said bricks having differential lateral cross-sections being mounted to the surface of the inner side of the ladle in abutment relationship whereby the upper surfaces of said bricks lie in a plane of incline thereby forming a helical lining strip extending to a predetermined level at which bricks of uniform lateral cross-sections are mounted in like abutment relationship around the surface of the inner side of the ladle in a plurality of layers one on top of the other said linking extending to the upper edge of the ladle whereat the bricks having differential lateral cross-sections are mounted in abutment relationship whereby the upper surfaces of said bricks lie in plane of decline until the level of the rim of the lining is in a plane parallel with the lip of the ladle.

CLASS 154G & 208.

144520.

Int. Cl. B43k 1/06, 8/00.

DRAWING AND WRITING INSTRUMENT.

Applicant & Inventor: MAKKATTI SYED AHAMED HANIFA, 26, SOUTH AYYAPURAM STREET, KADAYANILUR, PIN-627751, TIRUNELVELI DISTRICT, TAMIL NADU, INDIA.

Application No. 78/Mas/77 filed April 25, 1977.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

8 Claims.

An attachment for a drawing and writing instrument comprising in combination a cylindrical ink reservoir having a spout, a projecting at right angles thereto and a lid, the said lid having a knurling head with an elliptical hole and an eccentric pin hole, the said lid also being provided with a hemispherical groove along its vertical wall and a rectangular opening to admit ink from the spout into the cylindrical reservoir, the said elliptical hole in the lid being provided with a plunger with an ellipsoidal knob at the top and terminating into a blind hole at the other end, a plunger wire being press fitted into the said blind hole, the said plunger having retaining means positioned below the said knob, the said cylindrical reservoir having a hemispherical raised portion positioned below the spout to coincide with the corresponding groove in the vertical wall of the said lid, the said reservoir tapering and terminating into a hole through which the plunger wire passes and is capable of being press fitted with capillary tubes of different diameters.

CLASS 32F.a & 40F.

144521.

Int. Cl. B01j 11/66.

A METHOD OF RECOVERING A CATALYST USED IN THE PROCESS OF MANUFACTURING A DIMETHYLTEREPHTHALATE.

Applicant: INSTYTUT CIEZKIEJ SYNTESZY ORGANICZNEJ "BLACHOWNIA", OF KEDZIERZYN, POLAND.

Inventors: ZOFIA POKORSKA, WŁODZIMIERZ MONTOWSKI, EDWARD GRZYWA, MANFRED STAJSZCZYK, HANRYK BOEBEL, KAZIMIERZ SZALANSKI, RENATA FISZER AND KRYSYNA WYPYCH.

Application No. 1412/Cal/75 filed July 19, 1975.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

3 Claims. No drawings

A method of recovering catalyst components from the post distillatory remainders of raw esters which are obtained in the process for manufacturing a dimethylterephthalate by oxidizing a mixture of *p*-xylene and methyl *p*-tolylate followed by esterifying the resulting acids with methanol and distilling these esters, said process comprising of extraction of the salts of metals contained in the catalysts with aqueous solution of low molecular organic acids containing 1 to 4 carbon atoms, wherein the post distillatory remainders such as herein defined of raw esters are subjected to extraction by

using reaction waters, such as hereinbefore defined, originating from the oxidation in an amount of 1 : 1 to 1 : 3 (referred to the post distillatory remainder of raw esters) and concentrating the resulting aqueous solution of salts of catalyst metals to a concentration of 1 to 7% of catalyst metals by evaporating water and volatile unreacted acids by contacting with heat exchange surfaces of temperature not exceeding 120°C for a period of 10 seconds.

CLASS 32F¹ & 40-F.

144522.

Int. Cl. C08g 22/20.

METHOD OF ANTISTATICALLY TREATING POROUS MATERIALS.

Applicant: SANDOZ LTD., OF LICHTSTRASSE 35, 4002 BASLE, SWITZERLAND.

Inventor: RICHARD HOCHREUTER.

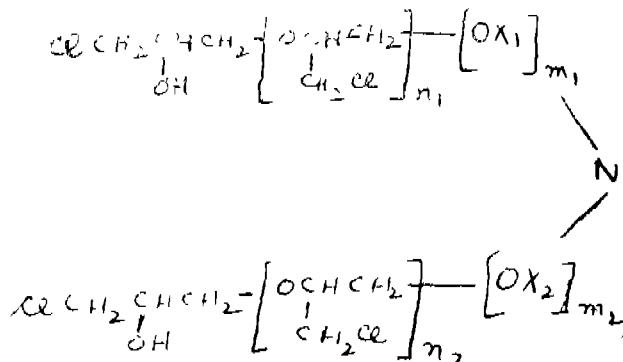
Application No. 1698/Cal/75 filed September 3, 1975.

Convention date September 5, 1974 (38794/74) U.K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

21 Claims.

A method of antistatically treating synthetic, semi-synthetic or natural porous material having a tendency to accumulate static electricity, characterised in applying thereto a mixture of at least one compound of general formula 1.

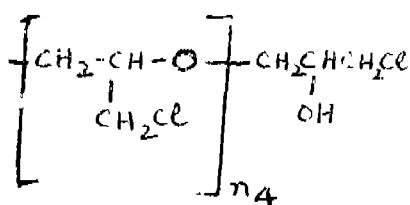


wherein X₁, X₂, X₃, X₄ and X₅ are each, independently 1, 2-ethylene, 1, 2-propylene or 1, 2-butylene,

m₁ and m₂ are each, independently, an integer 1 to 30,
m₃, m₄ and m₅ are each, independently, O or an integer 1 to 30.

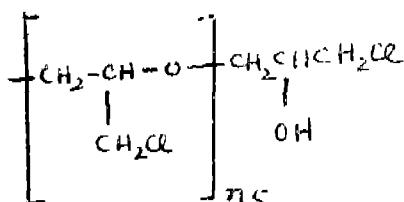
n₁, n₂ and n₃ are each, independently, O or an integer 1 or 2,

Y₁ is hydrogen or a radical of the formula shown in Fig. 1.

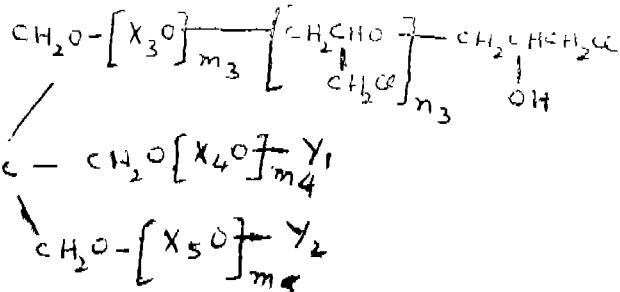
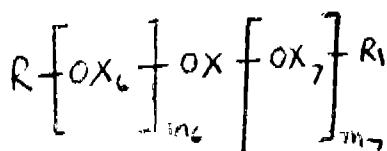


wherein n₄ is O or an integer 1 or 2, and

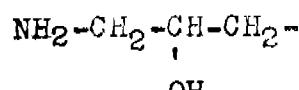
Y₂ is hydrogen or a radical of the formula shown in Fig. 2.



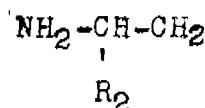
wherein n₅ is O or an integer 1 or 2, and wherein the sum of m₁, m₂, m₃, m₄ and m₅ is an integer 2 to 100 and the sum of n₁, n₂, n₃, n₄ and n₅ is 0 or an integer 1 to 7, and at least one compound of formula 11



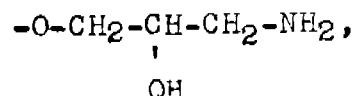
wherein R is a radical of the formula



or



wherein R₂ is hydrogen, methyl or ethyl,
R₁ is NH₂ or a radical of the formula



X is alkylene (C₂-C₆), phenylene, phenylene-oxyphenylene or phenylenesulphonylphenylene,

X₆ and X₇ are each, independently, 1, 2-ethylene, 1, 2-propylene or 1, 2-butylene, and

m₆ and m₇ are each, independently, an integer 1 to 38, the sum of m₆ and m₇ being an integer 2 to 39,

the said mixture having from 1 : 0; 4 to 3 parts by weight of the ratio of the constituent compounds and curing the applied compounds on the material as hereinbefore defined.

CLASS 32A, & 34A & 62C¹ & 154-H.

144523.

Int. Cl. C09b 57.

A PROCESS FOR THE PREPARATION OF ORGANIC COMPOUNDS USEFUL AS DYESTUFFS.

Applicant: SANDOZ LTD. OF LICHTSTRASSE 35, 4002, BASLE, SWITZERLAND.

Inventor: WERNER KOCH.

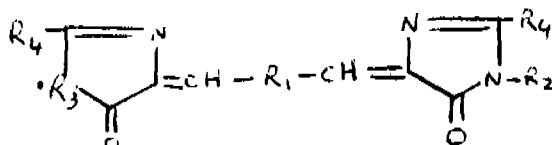
Application No. 2235/Cal/75 filed November 24, 1975.

Convention date November 25, 1974 (50900/74) U.K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims.

A process for the production of a compound of formula I.

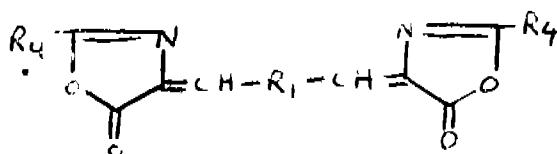


in which R₁ signifies a divalent, mono-or binuclear aromatic radical of the carbocyclic or heterocyclic series,

R₂ signifies a hydrogen atom; an unsubstituted (C₁₋₄) alkyl radical a (C₁₋₄) alkyl radicals substituted by a chlorine or bromine atom, a hydroxy, (C₁₋₄) alkoxy, (C₁₋₄) alkylamino, di-(C₁₋₄) alkylamino (C₁₋₄) alkylamino (C₁₋₄)-alkonoyloxy, (C₁₋₄) alkoxy carbonyl, (C₁₋₄) alkoxycarbonyl, (C₁₋₄)-alkoxycarbonyloxy or benzyloxy; an unsubstituted phenyl radical or a phenyl radical substituted by a total of up to three substituents selected from the group consisting of chlorine and bromine atoms, and methyl groups (up to three of any of these), (C₁₋₄) alkoxy, (C₁₋₄) alkoxycarbonyl, cyano, and nitro groups (up to two of any of these), hydroxy, (C₁₋₄) alkylamino, di-(C₁₋₄)-alkylamino, (C₁₋₄) alkanoylamino (C₁₋₄)-alkoxycarbonylamino groups (only one of any of these); a naphthyl radical; pyridyl-2, -3 or -4; pyrimidyl-2, or -4; 2, 4-dimethylpyrimidyl-6; thiienyl-2, thiazolyl-2; benzothiazolyl-2; or 5-methyl-isoxazolyl-3,

R₄ signifies a group of formula >N—R₅, in which R₅ has one of the significances given above for R₂, and each of the R₅'s which may be the same or different signifies a mono-or

binuclear aromatic radical of the carbocyclic or heterocyclic series which is bound through a carbon atom, comprising condensing a compound of the formula II.



in which R₁ and R₂ are as defined above a compound of the formula III



in which R₆ is as defined above in a 1 : 2 molar ratio.

CLASS 63B.

144525.

Int. Cl.-C03b 37/00.

METHOD AND APPARATUS FOR ELIMINATING EXTERNAL HOT GAS ATTENUATION IN THE ROTARY FIBERIZATION OF GLASS.

Applicant : JOHNS-MANVILLE CORPORATION, OF 22 EAST 40TH STREET, NEW YORK, STATE OF NEW YORK, UNITED STATES OF AMERICA.

Inventors : HARVELL MORTON SMITH AND DUANE HAROLD FAULKNER.

Application No. 46/Cal/76 filed January 8, 1976.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims.

A method for producing continuous or long fibers of glass having an average diameter of upto 7 microns from molten glass comprising introducing said molten glass into a rotating rotor internal of the peripheral wall of the rotor, said peripheral wall containing a plurality of orifices, passing said molten glass through said orifices and subjecting the thin stream of molten glass coming out through the said orifices

to attenuation externally of the rotor without using hot gas blast to obtain the desired fibres of glass, the formation of the glass fibers having said average diameter of not more than 7 microns being depended inter alia upon the following parameters i.e., density, viscosity and rate of molten glass flow through rotor peripheral wall thickness, the interior diameter and the rotational speed of the rotor, the number and the diameter of the orifices in the said rotor and also on the head of molten glass available in the interior surface of the peripheral wall of the rotor, the said parameters being correlated according to the following three formulae :

$$(1) d_o = \frac{F}{\pi D^2 v} \quad (2) d_o = \frac{.25}{11 \cdot fph} \quad (3) h = \frac{64}{v^{1/4}}$$

$$\pi^3 p^2 D^2 v^{1/4} l^2$$

where d_o equals the average diameter of the continuous or long fiber;

$\pi = 3.14$;

p = glass density;

v = glass viscosity;

F = total glass flow through the rotor per unit of time;

I = thickness of the peripheral wall of the rotor;

D = interior diameter of the rotor;

f = rotor speed;

d = diameter of the orifices;

h = glass head on the wall of the rotor, and

N = total number of orifices in the rotor.

CLASS 63B.

144525.

Int. Cl.-H02k 2/00.

ELECTRICAL STATOR.

Applicant & Inventors : IGOR ALEXANDROVICH PRIGOROVSKY, OF LENINGRAD, BASSEINAYA ULITSA, 53, KV. 4, USSR, (2) ANATOLY DENISOVICH IGNATIEV, OF LENINGRAD, BASSEINAYA ULITSA, 85, IV, 162, USSR, (3) VLADIMIR EMMANUILOVICH SHKOLNIK, OF LENINGRAD BUKHARETSKAYA ULITSA, 39, KORPUS 3, KV. 22, USSR, (4) GARRI MIKHAILOVICH KHUTORETSKY, OF LENINGRAD, ALTAISKAYA YLITSA, 20, KV. 5, USSR, (5) ALEXANDR IVANOVICH VORONTSOV, OF LENINGRAD, PUSHKIN, ULITSA KHAZHOVA, 43, KV. 94, USSR AND GLADIMIR MARKOVICH FRIDMAN, OF LENINGRAD, GRAZH-DANSKY PROSPEKT, 13, KORPUS I, KV. 170, USSR.

Application No. 285/Cal/76 filed February 17, 1976.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims.

An electrical stator comprising a housing; a core; a winding mounted on the core, whose upper and lower bars are connected in pairs so as to form heads in the end portion of the winding; a supporting member arranged in the housing and constructed as a ring having a cylindrical projection whose height corresponds to the length of the end portion of the winding up to heads; brackets whose supporting planes are arranged at an angle to the internal surface of the cylindrical projection; wedges arranged between the internal surface of the cylindrical projection and the supporting planes of the brackets, which wedges are held in place with the aid of elastic members.

CLASS 40F & 70A & C.

144526.

Int. Cl.-B05b 5/02.

PROCESS AND APPARATUS FOR THE ELECTROSTATIC COATING OF WORKPIECES.

Applicant : HAJTOMUVEK ES FESTOBERENDEZESEK GYARA, OF 98 FEHERVARI UT, BUDAPEST XI, HUNGARY.

Inventors : GYORGY BENEDEK AND PETER HOR-NUNG.

Application No. 1295/Cal/76 filed July 20, 1976.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

18 Claims.

Apparatus for the electrostatic coating or spraying of a workpiece by material particles such as pulverulent materials, fibrous materials and/or paints, comprising a feed channel for the material particles which terminates an outlet, a pointed charging electrode and a counter electrode cooperating with the charging electrode to charge the material particles, the charging electrode and counterelectrode being in use connected to opposite polarities of a high tension power source, the counterelectrode being upstream, relative to the direction of flow of the material particles, of the charging electrode the pointed end of which is directed towards the counterelectrode, the charging electrode and the counterelectrode being arranged in the interior of the feed channel upstream of the said outlet in a charging space or chamber formed in the feed channel and bounded by wall(s) of insulating material.

CLASS 68E. 144527.

Int. Cl.-G05f 1/00.

VOLTAGE REGULATION AND STABILIZATION DEVICE.

Applicant : INSTITUT ELEKTROSVARKI IMENI E.O. PATONA AKADEMII NAUK UKRAINSKOI SSR, ULITSA GORKOGO, 69, KIEV, USSR.

Inventors : VLADIMIR KONSTANOVICH LEBEDEV, JURY DMITRIEVICH GUPALO, VLADIMIR ALEXANDROVICH TROITSKY, NIKOLAI GRIGORIEVICH BELY, VLADIMIR ALEXANDROVICH NAGAITSEV, BORIS VLADIMIROVICH NUDELMAN, ALEXANDR IVANOVICH KRASNOV, JURY IOSIFOVICH, DMITRY NIKOLAEVICH PARSHIN, PAVEL ANDREEVICH ZHINZHIKOV, AND ALEXANDR NIKOLAEVICH KORNEEV.

Application No. 1837/Cal/76 filed October 6, 1976.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

15 Claims.

A voltage regulation and stabilization device comprising a transformer with power windings on its magnetic circuit legs, part of the power windings' turns being arranged in a window formed by the transformer's yokes, whereupon there are mounted control windings intended for direct current magnetization of the yokes, a switch of taps of the transformer's power windings, and at least one control circuit incorporating a comparison unit connected to the transformer, an intermediate amplifier connected to the output of the comparison unit, a differential power amplifier whose input is connected to a reversible output of the intermediate amplifier, whereas its outputs are connected to the respective control windings of the transformer's yokes, units for measuring the voltage regulation margin, their inputs being connected to the outputs of the differential power amplifier, whereas their outputs are connected to an electronic commutator including flip-flops, logical NOT OR circuits and logical NOT AND circuits, inverters and delay units, the outputs of the electronic commutator being connected to the switch of the taps of the transformer's power windings, and a power source of the control circuit units.

CLASS 55B, & C & F. 144528.

Int. Cl.-E01h 13/00.

THERMOFOG.

Applicant & Inventor : DR. B. N. BANERJEE, AIRPORT HEALTH OFFICER, CALCUTTA AIRPORT, CALCUTTA-700052, WEST BENGAL, INDIA.

Application No. 181/Cal/77 filed February 9, 1977.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims.

The Thermofoog apparatus comprising of a blower, a fire cubicle arrangement and insecticide solution container above the level of fire cubicle arrangement, characterised by that the fogging apparatus consisting of separate layers of metal sheets in such away as to maintain the constant temperature of the air that has been blown from the blower at the exit of the said apparatus.

CLASS 55B, & C & F.

144529.

Int. Cl.-E01h 13/00.

THERMOFOG.

Applicant & Inventor : DR. B. N. BANERJEE, AIRPORT HEALTH OFFICER, CALCUTTA AIRPORT, CALCUTTA-700052, WEST BENGAL, INDIA.

Application No. 182/Cal/77 filed February 9, 1977.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims.

The Thermofoog apparatus comprising of a blower, a fire cubicle arrangement and insecticide solution container above the level of fire cubicle arrangement characterised by that the fogging apparatus consisting of metal tube coil resembling the structure of the spring in such a way as to maintain the constant temperature of the air that has been blown from the blower at the exit of the said apparatus.

CLASS 36A_a & A_a & 50B.

144530

Int. Cl.-F24f 7/06.

STEWART PUMP ELIMINATED DESERT COOLER.

Applicant & Inventor : SHYAM NIGAM, OF 75, CANTONMENT, KANPUR, IN THE STATE OF UTTAR PRADESH, INDIA.

Application No. 140/Del/77 filed June 27, 1977.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

16 Claims.

An air cooler or a desert cooler, wherein the drive of the exhaust fan driven by an electric motor, is utilised to drive the pump to circulate water in the cooling nets around the exhaust fan to cool air, the drive of the motor of the exhaust fan being transmitted to pump through a step-up mechanical gear system.

CLASS 40F & 109

144531

Int. Cl. C01b 31/06.

PROCESS FOR RECOVERING SYNTHETIC DIAMONDS FROM PRESSED RUNS.

Applicant : GENERAL ELECTRIC COMPANY, OF 1 RIVER ROAD, SOHENCETADY NEW YORK, UNITED STATES OF AMERICA.

Inventor : MU-SHENG WU.

Application No. 1657/Cal/76 filed September 8, 1976.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

13 Claims. No drawings.

A process for recovery of synthetic diamond from a composition containing diamond crystals and a non-diamond carbonaceous material, said process comprising the step of treating said composition with liquid bromine to exfoliate said non-diamond carbonaceous material from said diamond crystals.

CLASS 6A_a.

144532

Int. Cl. F15b 21/00.

DYNAMIC GAS PRESSURE CONVERTER.

Inventors : WILLIAM ARTHUR JONES, (2) TSE LIAN SIN TSE HING YUEN, (3) TAPIO RYTMÄÄ, (4) NORMAN JAMES HARPER, (5) HENRY FRANCIS FROST.

Application No. 1401/Cal/76 filed August 5, 1976.

Convention date August 5, 1975 (32659/75) U.K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

34 Claims.

A method of semi-continuously processing whole blood to provide haemopoietic chalone extracts, the method comprising;

passing the blood, containing an anticoagulant and in the presence of a suitable lytic agent such as herein described through a continuous lysis unit under conditions such that the erythrocytes present are lysed substantially completely and in preference to the leucocytes which remain substantially intact;

centrifuging the lysed blood including intact leucocytes in a manner such as herein described to maintain the latter substantially intact while causing leucocysts, together with stroma derived from the lysis of the red blood cells, to adhere to the rotor surface of the centrifuge;

removing the intact leucocytes and red blood cell stroma from the rotor surface in a manner such as herein described that the cells remain viable;

extracting the substantially intact leucocytes together with said stroma with a suitable extractant such as herein described;

subjecting the extract containing granulocytic, erythrocytic and lymphocytic chalones to ultrafiltration in a known manner to separate the granulocytic and erythrocytic chalone from the lymphocytic chalone and from other residual blood materials; and

recovering in a known manner the granulocytic, erythrocytic and lymphocytic chalones from the fractions resulting from ultrafiltration.

CLASS 21-B.

144538.

Int. Cl. A43; 3/06; 3/08; 5/00; 5/18.

SHOE PARTICULARLY FOR GENERAL SPORTING ACTIVITIES AND TRAINING.

Applicant : NORDICA DI FRANCO E GIOVANNI VACCARI & C.S.A.S. VIA PIAVE, 33-MONTEBELUNA (PROVINCE OF TREVISO), ITALY.

Inventor : FRANCO VACCARI.

Application No. 1286/Cal/77 filed August 18, 1977.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

11 Claims.

A shoe, particularly for general sporting activities and training, comprising a shell constructed in one piece from wear-resistant plastics material and containing in the upper front region of the foot an incision extending longitudinally to said shell, inside said shell there being provided a lining strip with its rear enlarged end corresponding with the heel of said shell, its central part corresponding with the heel of said shell, its central part corresponding with the plantar region of said shell, and its front enlarged end corresponding with said incision.

CLASS 174B & F.

144539.

Int. Cl. F15b 21/00.

APPARATUS FOR HYDRAULICALLY CUSHIONING THE MOTION OF A RECIPROCATING MEANS IN A GLASS FORMING MACHINE.

Applicant : EMHART INDUSTRIES INC., OF 426, COLT HIGHWAY, FARMINGTON, CONNECTICUT, UNITED STATES OF AMERICA.

Inventor : EGINHARD JAHLER.

Application No. 2178/Cal/75 filed November 14, 1975.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims.

In a glassware forming machine, apparatus for hydraulically cushioning the motion of reciprocating means in both directions, comprising;

means for operating the reciprocating means;

first hydraulic cushioning means disposed to be contactable by the reciprocating means to cushion the motion of the reciprocating means in one direction, said first cushioning means comprising a first housing a cylinder disposed in said first housing, said cylinder having a plurality of metering orifices therein, a piston slidably disposed in said cylinder and forming with said cylinder a first chamber on one side of said piston and a second chamber on the opposite side of said piston, a third chamber adapted to be filled with liquid, disposed between said first housing and said cylinder and in fluid communication with said first and second chambers, said piston adapted to be contacted by the reciprocating means near the end of the stroke of the reciprocating means in the direction of said first cushioning means;

second hydraulic cushioning means disposed to be contactable by the reciprocating means to cushion the motion of the reciprocating means in the opposite direction, said second cushioning means comprising a second housing a cylinder disposed in said second housing, said cylinder having a plurality of metering orifices therein, a piston slidably disposed in said cylinder and forming with said cylinder a first chamber on one side of said piston and a second chamber on the opposite side of said piston, a third chamber adapted to be filled with liquid, disposed between said second housing and said cylinder and in fluid communication with said first and second chambers, said piston adapted to be contracted by the reciprocating means near the end of the stroke of the reciprocating means in the direction of said second cushioning means; characterized in that said metering orifices of said first and second hydraulic cushioning means each have a diameter which is greater than the dimension of the orifices in the direction of the flow of fluid therethrough, whereby said first and second hydraulic cushioning means each provide a cushion with substantially constant deceleration of the reciprocating means and which is independent of the viscosity of said liquid and that means are provided for adjusting the position at which the reciprocating means contacts at least one of said first and second hydraulic cushioning means.

CLASS 12B. 90-D.

144540.

Int. Cl. B22f 3/00; 7/00; B23p 5/00.

METHOD OF MAKING SUPERHARD CUTTING ARTICLES.

Applicant : INSTITUT SVRKHTVFRDYKH MATERIALOV AKADEMII NAUK UKRAINSKOI SSR., AVTOZAVODSKAYA ULITSA 2, KIEV, USSR.

Inventors : VALENTIN NIKOLAEVICH BAKUL, (2) IGOR IVANOVICH BILYK, (3) DMITRIJS KHAIMOVNA BRONSHTEIN, (4) IVAN FEDOROVICH VOVCHANOVSKY, & (5) NEKHEMIAN VANIAMINOVICH TSYPIN.

Application No. 151/Cal/76 filed January 28, 1976.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

3 Claims. No drawing.

A method of producing superhard articles for reinforcing various types of well-drilling, dressing and other tools working under conditions of intensive abrasive abrasion wear, and various parts of measuring, metal working and other equipment, comprising the following steps: charging into a graphite press mould diamond grains 1 mm in size, evenly distributed throughout the entire volume of the charge; heating said press mould by high-frequency currents, whereby said

charge contained within the press mould is also heated to a temperature of 1,200°C at a rate of 1,000-1,000°C per minute under specific pressure of 50-100 kg/cm² upto 2 minutes, heating the charge from the temperature of 1,200°C to the temperature of sintering the charge into a superhard article by electrical resistance method whereby current is passed through the charge simultaneously with said high-frequency heating of the press mould, said latter step of heating the charge being conducted at a temperature of upto 1,800°C at a rate of 3,000-6,000°C per minute under specific pressure of upto 200 kg/cm² followed by cooling of the press mould together with the material sintered therein down to 750-800°C under pressure and then subjected to slow cooling thereof in a sand containing chamber (low temperature oven).

CLASS 206-E.

144541.

Int. Cl. H01L 19/00.

INTEGRATED CIRCUIT DEVICE INCLUDING BOTH N-CHANNEL AND P-CHANNEL INSULATED GATE FIELD EFFECT TRANSISTORS.

Applicant : RCA CORPORATION, OF 30 ROCKEFELLER PLAZA, NEW YORK, NEW YORK 10020, UNITED STATES OF AMERICA.

Inventors : ANDREW GORDON PRANCIS DINGWALL.

Application No. 664/Cal/76 filed April 19, 1976.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

15 Claims.

An integrated circuit device comprising a body of semiconductive material, predominantly of one type conductivity, having a surface, means including said body defining at least a P channel insulated gate field effect transistor and an N channel insulated gate field effect transistor and means for isolating said P channel IGFET from said N channel IGFET, said device characterized by comprising; first, second and third frame-like structures, each including a layer of insulating material on said surface and a layer of conductive material on said layer of insulating material, said first frame-like structure having a closed geometry,

surrounding a first portion of said surface and being surrounded by a second portion of said surface, said second frame-like structure also having a closed geometry and being disposed on said first portion of said surface, and said third frame-like structure having a closed geometry and being disposed on said second portion of said surface; a well region of conductivity type opposite to that of said body in said body adjacent to said first portion of said surface; means including a part of said first portion of said surface for making ohmic contact to said well region; a region of the same type conductivity as said body within said well region adjacent to a part of said surface which is surrounded by said second frame-like structure; a region of the same type conductivity as said body within said well region adjacent to a part of said surface which surrounds said second frame-like structure; a region of said opposite type conductivity adjacent to a part of said surface which is surrounded by said third frame-like structure; and a region of said opposite type conductivity adjacent to a part of said surface which surrounds said third frame-like structure.

CLASS 129G & J.

144542.

Int. Cl. F16c 33/00.

PROCESS FOR MAKING COMPOSITE/BEARING MATERIAL.

Applicant : FEDERAL-MOGUL CORPORATION, OF 26555 NORTHWESTERN HIGHWAY, SOUTHFIELD, MICHIGAN 48075, UNITED STATES OF AMERICA.

Inventors : GORDON JOSEPH LEBRASSE, (2) VICTOR GALLATIN.

Application No. 715/Cal/76 filed April 24, 1976.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims.

A process for making a composite bearing material comprising a steel backing strip having a copper-lead bearing

alloy lining tenaciously bonded to at least one side thereof which comprises the steps of applying a layer of a prealloyed powder on the surface of a steel backing strip, said prealloyed powder containing about 64% to about 88% copper, about 8% to about 35% lead and up to about 10% tin and ranging in average particle size of from about one micron up to about 147 microns, heating the prealloyed powder layer and said backing strip to a temperature of about 1450°F to about 1600°F in a reducing atmosphere for a period of time sufficient to effect a liquid phase sintering of the powder and the formation of a bond between said layer and said backing strip, cooling the sintered layer and backing strip to about 1000°F to about 1200°F in a protective atmosphere and applying pressure thereto so effect a substantially complete densification of said powder layer and a further diffusion bonding of the powder particles to each other and to the surface of said backing strip, and thereafter cooling the composite strip in a protective environment to a temperature below about 800°F.

CLASS 62-C.

144543.

Int. Cl. B05c & D06p.

PROCESS OF DYEING FLOCKED TEXTILE FIBRES AND APPARATUS FOR CARRYING OUT THE PROCESS.

Applicant : OBERMAIER & CIE, LACHENER STRASSE 45,6730 NEUSTADT AN DFR WEINSTRASS, GERMAN FEDERAL REPUBLIC.

Inventor : LUDWIG PLACK.

Application No. 1833/Cal/76 filed October 6, 1978.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims.

Process of dyeing flocked textile fibers wherein fibers have been washed and dried and are provided in the form of pressed balls, comprising providing a closable vessel with an outlet opening for dye liquors and of greater cross-sectional size than that of the pressed balls, introducing the pressed balls into said vessel against the dye liquor outlet opening, circulating dye liquor through said vessel until the desired dyeing is effected, thereafter drying and loosening the dyed fibers of the pressed ball.

CLASS 127-F & I.

144544.

Int. Cl. G01p 3/00.

A REVERSIBLE GEAR BOX FOR USE IN LOCOMOTIVES FOR INDICATING SPEED.

Applicants & Inventors : ASHOKA BAIJAL OF CHITTARANJAN LOCOMOTIVE WORKS, D23 ASHOK AVENUE, CHITTARANJAN, DISTT. BURDWAN, WEST BENGAL, INDIA, AND MADAN MOHAN SINHA, OF CHITTARANJAN LOCOMOTIVE WORKS, CHITTARANJAN, DISTT. BURDWAN, WEST BENGAL, INDIA.

Application No. 1502/Cal/77 filed October 11, 1977.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims.

A reversible gear box for use in locomotives for indicating speed comprising a housing having at least three openings, a first shaft mounted by bearings within said first and third openings, said first shaft being provided with male frictionless threads for engagement with a corresponding female frictionless thread provided within a body mounted on said first shaft, said body having bevel gears mounted on its side surfaces such that they have a gap therebetween, a bevel pinion mounted on a second shaft is disposed within said second opening, said second shaft is disposed vertically to said first shaft with the bevel pinion in between the two bevel gears such that upon rotation of said first shaft at least one of the bevel gears meshes with the bevel pinion in order to indicate speed.

CLASS 190C.

144545.

Int. Cl.-F16j 15/54.

IMPROVED TURBO-MACHINERY SEAL.

Applicant : DRESSER INDUSTRIES, INC., OF THE DRESSER BUILDING, P.O. BOX 718, DALLAS, TEXAS 75221, U.S.A.

Inventor : FRED KURT KUNDERMAN.

Application No. 815/Cal/75 filed April 22, 1975.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims.

An improved seal for turbo-machinery or the like that includes a hollow housing having an interior radial face, lubricant means for delivering pressure fluid into the housing, and a rotor shaft journaled in the housing, the improved seal comprising an annular seal body disposed in the housing and having :

a longitudinal axis generally parallel to the rotor shaft; first and second ends disposed generally perpendicularly to said axis; a bore extending through said ends for rotatably and sealingly receiving the rotor shaft; surface means on said first end sealingly and frictionally engaging the radial face of the housing; said second end being exposed to the pressure fluid whereby said seal is biased axially toward the radial face of the housing; a biasing means on said body for biasing said seal in a radical direction in response to the pressure fluid, said biasing means including recess means non-symmetrically located in said body adjacent said bore in communication with the pressure fluid whereby said seal is biased radially; and locating means engaging said seal body and said housing for preventing relative rotation between said body and housing whereby the direction of the radial bias can be predetermined.

CLASS 205H.

144546.

Int. Cl.-B60c 5/00.

PNEUMATIC TIRE, AND PNEUMATIC TIRE AND RIM COMBINATION.

Applicant : UNIROYAL, INC., AT 1230 AVENUE OF THE AMERICAS, NEW YORK, NEW YORK 10020, IN THE COUNTRY AND STATE OF NEW YORK, UNITED STATES OF AMERICA.

Inventor : TREVOR MELVIN MARTIN.

Application No. 1784/Cal/75 filed September 17, 1975.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims.

A pneumatic tire adapted to be mounted on a rim having two flanges against which the beads of the tire are seated comprising; beads, sidewalls, and a tread, characterized in that said sidewalls having their maximum spacing at a substantial distance from said flange when the tire is inflated each of said sidewalls having thereon a circumferentially extending rib adapted to surround the corresponding flange and spaced therefrom and located in close proximity thereto each rib is axially outside the outer end of said corresponding flange, the overlap between each rib and the corresponding flange along a diameter of the tire when the tire is mounted on the rim and inflated being not substantially less than ten percent of the height of the corresponding flange along said diameter, said overlap and width of each rib being such that when the tire is mounted on the rim and deflated under load each rib abuts the corresponding flange and limits movement of the corresponding bead on the rim, whereby the tire is enabled to operate on the rim in a deflated condition

CLASS 205K.

144547.

Int. Cl.-B60c 11/00

TIRE RASP BLADES WITH RENEWABLE CUTTING AND BUFFING EDGES.

Applicant : B & J MANUFACTURING COMPANY, OF P.O. BOX 325 GLENWOOD, ILLINOIS 60425 U.S.A.

3-67 GI/78

Inventor : WAYNE EMIL JENSEN.

Application No. 629/Cal/76 filed April 13, 1976.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

38 Claims.

Blade for a rotatable tire rasp comprising a sheet metal member having an outer working edge and means spaced from said edge adapted for mounting the blade in said rasp, wherein the working edge thereof includes a tooth having an outer edge multi-pointed leading and trailing side edges, and an intermediately notched area interrupting the outer edge of said tooth.

CLASS 37C.

144548.

Int. Cl.-B01d 21/26.

VERTICAL CENTRIFUGE.

Applicant : ESCHER WYSS LIMITED, OF HARDSTRASSE 319, 8023 ZURICH, SWITZERLAND.

Inventors : LEONHARD SPIEWOK AND ALBERT BUCHER.

Application No. 645/Cal/76 filed April 15, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims.

A vertical centrifuge comprising a housing provided with a cover and a centrifuge drum which is arranged to be rotatable in the housing and which comprises an upper feed opening and a lower discharge opening, a shield being arranged above the discharge opening, the shield comprising a screening wall which covers only a part of the circumference of the discharge opening and is carried and can be displaced by means of a shaft mounted in a holding arrangement and passing through the coger, the holding arrangement comprising means for the rotation of the shaft.

CLASS 195A.

144549.

Int. Cl.-B67d 5/08, F16k 47/00.

BALL-VALVE SEAL.

Applicant : B. C. RICHARDS & CO. PTY. LTD., OF BILSPN ROAD, GEEBUNG, QUEENSLAND 4034, AUSTRALIA.

Inventor : CECIL GRAHAM RICHARDS.

Application No. 1500/Cal/76 filed August 17, 1976.

Convention date August 18, 1975/(PC 2829/75) AUSTRALIA.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims.

A ball-valve sealing assembly including a sealing ring of deformable material, a backing ring of rigid material and a spring element between the rear of the backing ring and an abutment of the valve body, characterized in that the outer peripheral surface of the sealing ring has a radial step adapted to contact a similar radial step on the valve body when the ball is displaced by fluid pressure

CLASS 127F.

144550.

Int. Cl.-F16h 1/00.

A FIXED SPEED CHANGING DEVICE.

Applicant & Inventor : JAGAT PUNJABHAI PAIKHWALA, OF 17 CAMAC STREET, CALCUTTA-17, STATE OF WEST BENGAL, INDIA.

Application No. 1662/Cal/76 filed September 9, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims.

A device for obtaining a fixed speed ratio between the input shaft and the output shaft comprises a set of internal

and external gears one of the said gear being a fixed gear and the other being the driving gear, said driving gear being mounted on an eccentric of the input shaft, said driving gear having an additional driving gear being an external or an internal gear and an output shaft carrying an internal or external gear being a complementary gear mounted on the said output shaft for engagement with the said additional driving gear, the number of teeth provided on the respective gears being adjusted to obtain a desired fixed speed ratio between the input and the output shaft.

CLASS 98E. 144551.
Int. Cl.-F25b 3/00.

A HEAT EXCHANGER OVEN.

Applicant: THE AIR PREHEATER COMPANY, INC., OF ANDOVER ROAD, WELLSVILLE, NEW YORK, UNITED STATES OF AMERICA.

Inventor: RICHARD FRANKLIN STOCKMAN.

Application No. 2070/Cal/76 filed November 18, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims.

A heat exchanger housing including inlet and outlet ducts for a heating fluid and for a fluid to be heated, a matrix of heat absorbent material carried in said housing, means for alternately subjecting said matrix to the heating fluid and the fluid to be heated, an infrared ray detecting means positioned in the housing to view the infra-red rays emitted by the matrix, an opening in said housing adapted to receive the infrared ray detecting means, an air lock having an enclosure with an open side thereof in common with the opening of said housing, a pivotal carrier supporting the infra-red ray detecting means, and means the infra-red ray detector from a position within said housing where it faces said matrix to a position within said air-lock where it covers the open side thereof.

CLASS 158E. 144552.
Int. Cl.-B61f 1/00.

PENDULAR SUSPENSION SYSTEM

Applicant: PATENTES TAIGO S. A. OF MONTAÑA NO. 14 MADRID-14, SPAIN.

Inventor: ANGEL TORAN.

Application No. 586/Cal/75 filed March 22, 1975.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules 1972) Patent Office, Calcutta

8 Claims.

A train having a plurality of cars and a pendular suspension system for use on the cars, each car having a car body carried on running gear, including a running gear frame carrying one end of the car, the car body being supported on springs bearing upon the running gear frame and located independently from one another symmetrically on each side of the central vertical longitudinal plane of the car, the springs each bearing upon a respective base located above the centre of gravity of the car body and being able to deflect vertically and horizontally in response to unbalanced centrifugal force, the arrangement being such that the car body is tilted by said deflections of the springs while the train is travelling along a curved path and relative movements between the car body and the running gear frame are permitted to occur, the springs being independent, pneumatic springs of diaphragm type having air inlet and exhaust means for level adjustment, and means operatively associated with the air inlet and exhaust means for cutting off flow of compressed air therethrough to maintain any existing vertical deflection of the springs, said air inlet and exhaust means being operative, so as to reduce the passenger awareness of unbalanced centrifugal force only when the train reaches a speed above a predetermined minimum and only when the track has a sufficient predetermined degree of curvature.

CLASS 14A.
Int. Cl.-H01m 35/00.

144553.

AN EXTRUDABLE LEAD OXIDE ACTIVE MATERIAL PASTE COMPOSITION AND AN ELECTRICALLY UNFORMED TUBULAR PLATE FOR AN ELECTRIC STORAGE BATTERY INCORPORATING SAID COMPOSITION.

Applicant: CHLORIDE GROUP LIMITED, OF 52 GROSVENOR GARDENS, LONDON, S.W.1, ENGLAND.

Inventor: KENNETH PETERS.

Application No. 705/Cal/75 filed April 8, 1975.

Convention date April 9, 1974 (15770/74) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta

10 Claims.

An extrudable lead oxide active material paste composition having improved extrudability which comprises at least one lead oxide in finely divided particulate form, a liquid vehicle and a polyethylene oxide polymer of molecular weight of at least 500,000 soluble in the liquid vehicle and thickening the said composition, the paste having a density of not more than 4.0 grams per c.c. and an extrusion penetrometer penetration value (as defined herein) of at least 10.

CLASS 27-I.
Int. Cl.-E04h 1/00; F04c 3/00.

144554.

IMPROVEMENTS IN THE CONSTRUCTION OF DWELLINGS.

Applicant & Inventor: DR. EMILIO CONZATEZ ESPINOSA DE LOS MONTEROS, OF ALAMEDA DE COTON NO. 5, MALAGA, SPAIN.

Application No. 1678/Cal/75 filed August 30, 1975.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta

3 Claims.

Improvements in the construction of dwellings, characterised by the fact that on columns of reinforced concrete are placed, separated from each other in a vertical direction, at a distance equal to half the height of each floor, parallel girders of reinforced concrete of rectangular section which have, on one of their bigger surfaces, a central longitudinal projection or bracket, whilst on their opposite face they have, along their upper and lower edge, respective notches, each girder having the bracket pointing to a different side from the girder immediately above and below it whilst the girders situated at the same height are arranged in such a way that the brackets are placed face to face in pairs, so as to serve as a support for a slab which will constitute the corresponding floor, the consecutive slabs thus being on one and the other side of the girders at different levels, the girder the brackets of which are pointing to the same side being mounted on different columns from the girders the brackets of which are pointing to the opposite side, the aforesaid columns being situated adjacent to each other, each girder being connected to the one immediately above and below it, situated on the nearest column, by means of glazing panels which are mounted between the longitudinal notches of the three girders

CLASS 206F & J.
Int. Cl.-H04b 7/00.

144555.

SIGNAL TRANSMISSION SYSTEM.

Applicant: N. V. PHILLIPS' GLOFILAMPENFABRIEKEN AT EMMASINGEL, EINDHOVEN, NETHERLANDS.

Inventor: WILLEM DOUWE MEEWEZEN.

Application No. 1833/Cal/75 filed September 24, 1975.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta

12 Claims.

A signal transmission system comprising a transmitter having a dynamic compressor and a receiver having a dynamic expander, the dynamic compressor being provided with a first dynamic control device and a compression reactifier fed by the signals to be transmitted, the output signal of said compression rectifier controlling the dynamic control device via a first threshold device, also comprising a signal source which supplied a pilot signal, the signal to be transmitted and the pilot signal being supplied to the dynamic control device, the dynamic expander comprising a filter characterized in that the dynamic control device which is part of the compressor comprises an input circuit with an amplitude modulator which is connected to a carrier generator the signal to be transmitted being fed to this modulator for generating at an angle a double sideband signal with suppressed carrier and in which the output circuit comprises a combination device, connected to the modulator output for combining the double-sideband modulated signal and the pilot signal and in which the carrier signal generator forms the said signal source for supplying the carrier signal as the pilot signal to the combination device, the filter fitted at the receiving and being tuned to the carrier signal frequency.

CLASS 104-N. 144556.

Int. Cl.-B29h 3/02.

IMPROVEMENTS IN THE MANUFACTURE OF RUBBER STRIPS.

Applicant: AUTOMATIC BRAIDING COMPANY (NOTTINGHAM) LIMITED, OF THORPE ROAD, MELTON MOWBRAY, LEICESTERSHIRE, ENGLAND.

Inventors: JOHN EDWARD LYNAM, & PETER WILLIAM EASOM.

Application No. 82/Cal/76 filed January 14, 1976.

Convention date January 24, 1975 (3101/75) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rule, 1972) Patent Office, Calcutta.

17 Claims.

A method of producing continuously a thin rubber strip which comprises producing a stream of latex, gelling the outer surface of said stream to form a skin of gelled latex thereon, the skin having a predetermined peripheral dimension, shaping, by means of a shaping orifice, the gelled skin so as to define the periphery of the desired cross-section of the strip to be produced, maintaining the flow of latex to said stream such that said desired cross-section is maintained, said shaping orifice being disposed in, or closely adjacent to the surface of, a coagulant bath, and discharging said shaped skinned stream into said coagulant bath.

CLASS 123. 144557.

Int. Cl.-C05g 1/00.

PROCESS FOR THE PRODUCTION OF MINERAL FERTILISER OF NPK TYPE.

Applicant: PRZEDSIEBIORSTWO PROJEKTOWANIA I DOSTAW KOMPLETNYCH OBIEKTOW PRZEMYSLOWYCH "CHEMADEX" W WARSZAWIE, ODDZIAŁ NR. 1 W KRAKOWIE KRAKOW—POLAND.

Inventors: JERZY SCHROEDER, JERZY SYNOWIEC, TADEUSZ ZRUBEK, HENRYK GORECKI, ZDZISLAW WOLNICKI AND ROMAN HNATOWICZ.

Application No. 148/Cal/76 filed January 28, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

3 Claims.

A process for the production of NPK mineral fertilizer characterized in that the process consists of:

the step of decomposition of phosphate rock by means of solution comprising ammonium sulphate and sulphuric acid, conducted at temperature of 72—82°C with maintenance in

liquid phase of phosphate ion concentration within the range of 10—40% by weight of P_2O_5 , sulphate ion concentration within the range of 5—28% by weight of SO_4^{2-} , as well as ammonium ion concentration within the range of 1—9% by weight of N;

the step of filtration and washing of phosphogypsum precipitate crystallizing in the decomposition step with aqueous solution of ammonium sulphate;

the step of dividing filtrate from the decomposition step, comprising mainly ammonium sulphate, ammonium phosphate and phosphoric acid into two streams defined as fertilizer stream and acid stream;

the step of salting out of ammonium sulphate and mineral impurities from the acid stream, adiabatically cooled to temperature below 30°C, using organic solvents for salting out;

the step of separation of salted out precipitate from solvent-aqueous solution of phosphoric acid,

the step of enrichment of fertilizer stream with nitrogen by means of said precipitate comprising mainly ammonium sulphate salted out from the acid stream in the solvent salting out step;

the step of introduction of potassium chloride and ammonia to the said stream;

the step of granulation and drying of mixture to the form of compound mineral fertilizer of NPK type.

CLASS 146E. 144558.

Int. Cl.-G01k 5/36.

GAS PRESSURE THERMOMETER AND APPARATUS FOR APPLICATION IN A GAS PRESSURE THERMOMETER.

Applicant: STIKO B. V., INDUSTRIEWEG 5, [RODEN (DR)]. THE NETHERLANDS.

Inventors: JOHANNES GERHARDUS STILLER AND ALBERTUS VAN DER KOLK.

Application No. 716/Cal/76 filed April 26, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims. No drawings.

A gas pressure thermometer comprising an indicator, recording or control section, and a measuring section coupled therewith, containing a gas having an increased initial pressure, wherein measuring section of the said gas pressure thermometer comprises a container for gas, a Bourdon tube made of a hardened chromium molybdenum alloyed steel and a capillary which connects the gas container to the said Bourdon tube, characterised in that the filling pressure of the gas is of such a value that the gas has a compressibility reduction to the value less than that for ideal gas but to a value which is above the minimum.

CLASS 148L. 144559.

Int. Cl.-G03c 3/00.

PROCESS FOR PREPARING A COLOURED CARRIER MATERIAL FOR X-RAY FILM COATING.

Applicant: VEB FOTOCHEMISCHE WERKE BERLIN, OF 117 BERLIN, FRIEDRICHSHAGENER STR. 9, GERMAN DEMOCRATIC REPUBLIC.

Inventors: DR. ALOIS NOWAK AND KARL-HEINZ EINGRUBER.

Application No. 739/Cal/76 filed April 27, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

3 Claims.

Process for the preparation of dyed carrier material for X-ray film made of polyethylene terephthalate, which comprises treating carrier material such as herein described with substituted 1,4-diamino-anthraquinone dyes, characterized in that said substituted dyes in the anthraquinone ring contain at least one SO_nNRR' group, where R and R' may be identical or different and may represent hydrogen or alkyl- or cycloalkyl groups with 1 to 6 carbon atoms or possibly substituted aryl groups.

CLASS 32F_a & F_c & 55E_a & E_a. 144560.

Int. Cl.-C07c 27/22, 29/02, 45/02.

A PROCESS FOR THE PREPARATION OF A HETEROGENOUS CATALYST SYSTEM USED FOR THE HYDROFORMYLATION OF UNSATURATED COMPOUNDS.

Applicant : UOP INC., AT TEN UOP PLAZA ALGONQUIN AND MT. PROSPECT ROADS, DES PLAINES, ILLINOIS, U.S.A.

Inventor : EDWIN HERMAN HOMEIER.

Application No. 913/Cal/76 filed May 25, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims. No drawings.

A process for producing a heterogeneous catalyst system used for the hydroformylation of unsaturated compound, comprising a metal selected from rhenium, rhodium, cobalt, ruthenium, iridium and osmium phthalocyanine compound, said process comprising the step of reacting a derivative of phthalic acid such as heroin described with a compound containing a metal selected from rhenium, cobalt, ruthenium, iridium osmium under reaction conditions such as herein described and recovering the catalyst from the reaction medium by methods such as herein described.

CLASS 85C. 144561.

Int. Cl.-F27d 3/00.

A SLAG REMOVING APPARATUS FOR LARGE FURNACES.

Applicant & Inventor : JOHANNES JOSEF MARTIN OF 248 LEOPOLDSTRASSE, 8000 PUNICH 40, GERMAN FEDERAL REPUBLIC.

Application No. 1506/Cal/76 filed August 18, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

16 Claims.

A slag removing apparatus of the kind hereinbefore defined, wherein the discharge piston is stepped along its length to provide at least one step and is located so that, when the piston is in its retracted position, the piston step or the one of them lying nearest the rear end of the piston, lies clear of the passage slag takes in passing from the drop shaft of the apparatus, into the tank thereof.

CLASS 39G. 144562.
Int. Cl.-C01g 23/02.

A PROCESS FOR RECOVERY OF TITANIUM AS TITANIUM TETRA CHLORIDE.

Applicant : QUEBEC IRON AND TITANIUM CORPORATION—FER ET TITANE DU QUEBEC, INC., OF SOREL, P.O. BOX 560 PROVINCE OF QUEBEC, CANADA.

Inventor : MICHEL GUEGUIN.

Application No. 1542/Cal/76 filed August 23, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims. No drawings.

A process for recovery of titanium as titanium tetra-chloride from slags produced from electrosmelting or smelting of relatively low content titanium bearing material in the presence of carbonaceous material comprising the steps of maintaining a fluidized bed of said titanium bearing material including said carbonaceous material, and further including iron, aluminum, and as impurities thereof, silica, alumina, chromium oxides, vanadium oxides, manganese oxides, calcium oxide, magnesium oxide, and alkali metals; maintaining the composition of the slag feed whereby the content of said impurities in the said slag are in a ratio where Fe/M, Al/M or Fe + Al/M is equal to 2, where M is a divalent metal and is an impurity and M is primarily manganese, magnesium, or calcium; chlorinating said slag at 900°C to 1050°C while maintaining said bed in a fluidized condition; volatilizing said impurities; and recovering said titanium tetrachloride substantially free of said impurities.

CLASS 131B. 144563.

Int. Cl.-E21c 13/00.

SAFETY BORING ATTACHMENT.

Applicant : VOLTAS LIMITED, OF 8 NETAJI SUBHAS ROAD, CALCUTTA-700001, WEST BENGAL, INDIA.

Inventors : RAJ KUMAR JAIN AND HARIJAN DAS.

Application No. 2078/Cal/76 filed November 19, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

12 Claims.

A boring attachment including an elongate tube provided with at least one metal ring and sleeve of deformable material slidably mounted thereon at its working end/said tube also being provided with a fixedly mounted cross-head and a slidably mounted cross-head the latter being located between the fixedly mounted cross-head and said sleeve, said cross-heads being coupled by at least one longitudinal spacing bolt said tube being further provided with a plurality of valves and cocks and a stuffing box at the end remote from the working end of said tube.

CLASS 61K. 144564.

Int. Cl.-F26b 17/00.

IMPROVEMENTS IN OR RELATING TO CONTINUOUS FLUIDISED BED DRIER.

Applicant & Inventor : SUNIT KUMAR MUKHERJEE, 18A, NAFAR CHANDRA DAS ROAD, CALCUTTA-700034, INDIA.

Application No. 164/Cal/77 filed February 5, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims.

A fluidised bed drier for producing dehydrated and dried materials such as grains or vegetables which comprises in combination a feeding means, a perforated or mesh bed inlet end to the bed, means for supplying heated gases to the bed so as to maintain the material introduced in a fluidised state, outlet end to the bed, and a continuous pocket conveyor or effecting a movement of the material from the inlet to the outlet end.

CLASS 32E & 152 E. 144565.

Int. Cl.-C08g 39/00.

SHAPED FLAME RETARDANT FIGID THERMOPLASTIC FOAMS.

Applicant : GENERAL ELECTRIC COMPANY, OF 1 RIVER ROAD, SCHENECTADY 5, NEW YORK, UNITED STATES OF AMERICA.

Inventor : GEORGE ELLIOT NIZNIK.

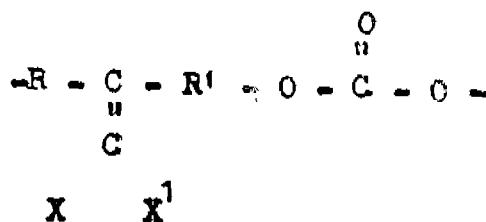
Application No. 286/Cal/77 filed February 28, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims.

Shaped flame retardant rigid thermoplastic foams having a density of from 0.5 g/cc to 1.2 g/cc, and a Gardner Impact Strength of at least 10 ft-lbs, which is the product obtained by injection foam molding the melt of a blend comprising by weight

(A) from 5-100% of a thermoplastic haloethylene polycarbonate having an intrinsic viscosity of at least 0.35 dl/g and consisting essentially of chemically combined units of the formula (I).



wherein R and R' are divalent aromatic radicals having from 6-13 carbon atoms, X is a halogen atom and X' is selected from X and hydrogen and correspondingly (B) from 0-95% of a thermoplastic material selected from the class consisting of polycarbonate, polyarylene oxide, polyalkylenetere-phthalate, polyvinylaromatic hydrocarbon, and polyolefin.

CLASS 180. 144566.

Int. Cl.-F24c 5/00.

A MULTIPLE WICK STOVE.

Applicant & Inventor : GHANASHAYAM SHANKAR TASGAONKAR, OF 17, CAMAC STREET, CALCUTTA-17, STATE OF WEST BENGAL, INDIA.

Application No. 1399/Cal/77 filed September 12, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims.

A kerosene oil multi wick stove comprising a tank for oil, a wick carrier carrier mounted on the top of the tank, an outer perforated cylinder and an inner perforated cylinder around the wicks, the upper ends of the wicks projecting into the annular space between the said two perforated cylinders, the wick carrier consisting of a number of tubes each containing a wick characterised by that the wick carrier which has tubes holding the wicks is mounted on the inner or the outer periphery of the lid of the oil tank through a ring of heat insulating material and such that there is no direct metal to metal contact of the wick carrier and consequently the wick tubes with the tank body.

CLASS 32-E. 144567.
Int. Cl.-C08f 1/00; 3/00.

A PROCESS FOR POLYMERIZATION OF OLEFINIC NITRILES AND DIENE RUBBERS.

Applicant : THE STANDARD OIL COMPANY, OF MIDLAND BUILDING, CLEVELAND, OHIO 44115, UNITED STATES OF AMERICA.

Inventors : GEORGE SU-HSIANG LI, (2) GERALD PAUL COFFEY.

Application No. 2334/Cal/75 filed December 12, 1975.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims. No drawing.

A process for polymerization of olefinic nitriles and diene rubbers comprising polymerizing in aqueous emulsion with free radical initiation such as herein described at a temperature in the range of from 0 to 100°C 100 parts by weight of

(A) about 50 to 90% by weight of at least one nitrile having the structure $\text{CH}_2\text{—C}(=\text{N})\text{—CN}$

I

R

wherein R is hydrogen a lower alkyl group having from 1 to 4 carbon atoms or a halogen, and

(B) from 10 to 50% by weight of at least one member selected from the group consisting of indene and coumarone in the presence of from 1 to 40 parts by weight of

(C) a rubbery polymer of at least 50% by weight of a conjugated diene monomer selected from the group consisting of butadiene and isoprene and up to 50% by weight of at least one member selected from the group consisting of styrene, acrylonitrile, and ethyl acrylate.

wherein all or part of (A) and part of (B) are present when the polymerization reaction is initiated and the remainder of (B) or (A) plus (B) is added continuously or incrementally during the course of the polymerization.

CLASS 119-D. 144568.

Int. Cl.-D03d 47/08.

A DOUBLE-LAYER SHUTTLELESS WEAVING LOOM.

Applicant : SOCIETE ALSACIENNE DE CONSTRUCTIONS MECANIQUES DE MULHOUSE, OF 1, RUE DE LA FOUNDERIE, 68054 MULHOUSE, CEDEX, FRANCE

Inventors : YVES JUILLARD & VICTOR RINER.

Application No. 1614/Cal/76 filed September 1, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims.

A shuttleless weaving loom of the double layer type, characterized in that the position of the heald eyes and the relative displacement of the harness shafts which carry said eyes are such that in the bottom position of the lower layers the center-lines of the segments of the said two layers located between the extreme rear position of the reed of the loom and its intermediate position corresponding to the beginning of introduction of the weft threads into the sheds both pass substantially through the pivotal axis of the said reed.

CLASS 64A. 144569.

Int. Cl.-H01h 85/00.

PLUG-IN FUSE GRIPS.

Applicant : SIEMENS AKTIENGESELLSCHAFT, OF BERLIN AND MUNICH, WEST GERMANY.

Inventor : FRANZ KOST.

Application No. 1541/Cal/76 filed August 23, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims.

A plug-in fuse grip, for holding a low-voltage HRC fuse, having formed in the body thereof recesses into which mounting lugs of a fuse held by the grip, when it is in use, are inserted, and comprising retaining plates against which such a fuse is held and which serve to engage and retain respective mounting lugs of the fuse, when they are so inserted in the recesses, characterised by the said retaining plates each comprises a facing portion made of electrically insulating material on that side of the fuse grip where the fuse is held, said face portion being backed by a metal support element.

CLASS 39K. 144570.

Int. Cl.-C01b 17/74.

PROCESS FOR THE REGENERATION OF SULFURIC ACID.

Applicant : HOECHST AKTIENGESELLSCHAFT (FORMERLY KNOWN AS FARBEWERKE HOECHST AKTIENGESELLSCHAFT VORMALS MEISTER LUCIUS & BRUNING), (FORMERLY OF 45, BRUNINGSTRASSE, FRANKFURT/MAIN) BUT NOW OF 6230 FRANKFURT/MAIN 80, FEDERAL REPUBLIC OF GERMANY.

Inventors: HELMOLD VON PLESSEN, EBERHARD FISCHER AND SIEGFRIED SCHISSLER.

Application No. 1213/Cal/74 filed June 4, 1974.

Appropriate office for opposition Proceedings (Rule 4 Patents Rules, 1972) Patent Office, Calcutta.

14 Claims. No drawings.

An improved process for the regeneration of aqueous contaminated sulfuric acid, having a concentration of from 65 to 95%, in which the aqueous contaminated sulfuric acid is fed to a Pauling apparatus for its concentration, the improvement being characterized by the fact that the concentrated contaminated acid obtained from the Pauling apparatus is distilled, and further characterized in that the distillation is carried out in such a way that the contaminated acid is added it a continuous manner to an amount of concentrated sulfuric acid heated to a constant temperature and then the released vapours of sulfuric acid are condensed in the usual manner and the distillation slurry which is formed is withdrawn either continuously or discontinuously.

CORRECTION OF CLERICAL ERRORS UNDER SECTION 78(3)

(1)

The title in the application and specification of application for Patent No. 141398 (earlier numbered as 2402/Cal/73) made by "Frederick Claudio Bertram Milne", the acceptance of the complete specification of which was notified in Part III, Section 2 of the Gazette of India dated the 26th February 1977 has been corrected to read as "A resinated Cellulosic-fibre-containing warp yarn and process for the manufacture of the same", under Section 78(3) of the Patents Act, 1970.

(2)

The title in the application and Specification of application for patent No. 141407 (earlier numbered as 166/Cal/74) made by Rist's Wires & Cables Limited of England, the acceptance of the complete specification of which was notified in Part III, Section 2 of the Gazette of India dated the 26th February 1977, has been corrected to read as "Wiring harness and method of manufacturing the same", under Section 78(3) of the Patents Act, 1970.

(3)

The title in the application and specification of application for patent No. 141411 (earlier numbered as 414/Cal/74) made by Armco Steel Corporation. The acceptance of the complete specification of which was notified in Part III, Section 2, of the Gazette of India, dated the 26th February 1977 has been corrected to read as "Method of making high permeability cube-on-edge oriented silicon Steel", under Section 78(3) of the Patents Act, 1970.

(4)

The title in the application and specification of application for Patent No. 141465 (earlier numbered as 1004/Cal/74) made by Globe-Union Inc. U.S.A. the acceptance of the complete specification of which was notified in Part III Section 2 of the Gazette of India, dated the 5th March 1977 has been corrected to read "Process and apparatus for processing material such as plastic in material forming apparatus uses in injection moulding" under Section 78(3) of the Patents Act, 1970.

(5)

The title in the application & specification of application for patent No. 141953 (earlier numbered as 1192/Cal/74) made by Council of Scientific & Industrial Research, India, the acceptance of the complete specification of which was notified in Part III, Section 2 of the Gazette of India dated the 7th May 1977, has been corrected to read "Combustion boat for combustible steel" and the opening paragraph of the description in page 1A of the specification has also been corrected by deleting the expressions "brass/ores" wherever occurring under Section 78(3) of the Patents Act, 1970.

(6)

The title in the application and specification of application for Patent No. 141984 (earlier numbered as 959/Cal/74) made by Hexcel Corporation, the acceptance of the complete specification of which was notified in Part III, Section 2 of the Gazette of India dated the 14th May 1977 has been corrected to read as "Insulated cable pressure blocks and method and apparatus for constructing the same", under Section 78(3) of the Patents Act, 1970.

(7)

The title in the application and specification of application for Patent No. 142080 (earlier numbered as 584/Cal/74) made by Cabot Corporation of United States of America, the acceptance of the complete specification of which was notified in Part III, Section 2, of the Gazette of India dated the 28th May 1977, has been corrected to read "Process for producing articles of wear and abrasion-resistant alloys" and the first sentence in page 2 of the application has also been amended to "This invention relates to a process for producing articles of wear and abrasion-resistant alloys" under Section 78(3) of the Patents Act, 1970.

(8)

The title of the invention in the application and specification of Patent application No. 142095 (earlier numbered as 205/Mas/75). The acceptance of the complete specification of which was notified in Part III, Section 2 of the Gazette of India dated the 28th May 1977, has been corrected to read as "Non-skid rubber-based fibre-mats and process for producing the same", under Section 78(3) of the Patents Act, 1970.

(9)

The title in the application and specification of application for Patent No. 142100 (earlier numbered as 1793/Cal/75) made by Continental Can Company Ind. the acceptance of the Complete Specification of which was notified in Part III, Section 2, of the Gazette of India dated the 28th May 1977 has been corrected to read "Container and member for pressurized beverage," under Section 78(3) of the Patents Act, 1970.

(10)

The title of the application and specification of application for Patent No. 142121 (earlier numbered as 102/Bom/74) made by Ciba-Geigy of India Limited of India, the acceptance of the complete specification of which was notified in Part III, Section 2 of the Gazette of India dated the 4th June 1977 has been corrected to read as "Process for colouring textile or knitted or non-woven materials and coloured materials so produced" under Section 78(3) of the Patents Act, 1970.

PRINTED SPECIFICATION PUBLISHED

A limited number of printed copies of the undernoted specifications are available for sale from the Officer-in-Charge, Government of India, Central Book Depot, 8, Hastings Street, Calcutta, at two rupees per copy :—

(1)

133416 133584 133619 133987 134086 134288 134325 134388
134400 134531 134551 134600 134618 134827 134976 135017
135027 135086 135089 135180 135227 135303 135330 135734
135735 135736 135737 135738 135739 135740 135741 135742
135743 135745

(2)

133341 134495 134496 134632 134981 135273 136063 136064
136065 136066 136067 136068 136070 136071 136072 136073

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136284 136285

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103370 134818 136305 136308 136309 136314 136325 136332
PATENTS SEAI FD

141818 141820 141821 141822 141849 141938 141959 141982
141998 142008 142040 142050 142064 142078 142105 142111
142112 142116 142118 142119 142122 142128 142129 142139
142145 142158 142189 142191 142192 142193 142194 142206
142214 142215 142218 142222 142227 142234 142383
142393 142404 142460 142461 142540 142566 142569 142640
142643 142661 142663 142699 142735 142805 142883 142910
142925

**AMENDMENT PROCEEDINGS UNDER
SECTION 57**

(1)

Notice is hereby given that The Indian Space Research Organisation, Department of Space, 'F' Block, Cauvery Bhavan, District Office Road, Bangalore 560 009, Karnataka, have

made an application under Section 57 of the Patents, 1970 for amendment of specification of their application for patent No. 143962, for "A process for the production of hydrocarbons from vegetable oils". The amendments are by way of correction so as to define the invention more correctly and clearly. The application for amendment and the proposed amendments can be inspected free of charge at the Patent Office Branch, 776, Triplicane High Road, Madras-600 005 or copies of the same can be had on payment of the usual copying charges. Any person interested in opposing the application for amendment may file a notice of opposition on the prescribed form 30 within three months from the date of this notification, at the Patent Office Branch, Madras. If the written statement of opposition is not filed with the notice of opposition it shall be left within one month from the date of filing the said notice.

(2)

The amendments proposed by Arun Kumar Chatterjee in respect of patent application No. 142806 as advertised in Part III, Section 2 of the Gazette of India dated the 24th December 1977 have been allowed.

COMMERCIAL WORKING OF PATENTED INVENTIONS

The following patents in the field of General & Mechanical Engineering Industry are not being commercially worked in India as admitted by the Patentees in the statements filed by them under Section 146(2) of the Patents Act, 1970, in respect of Calender year 1976 generally on account of want of requests for licences to work the patented inventions. Persons who are interested to commercially work the said patents may contact the Patentee for the grant of a licence for the purposes.

1	2	3	4	5
(1)	137310	09-01-1973	Girling Limited; Kings Road, Tyseley, Birmingham 11, England.	Tandem master cylinder for hydraulic braking system.
(2)	137315	02-07-1973	Mandeyam Anandanpillai Perthe Society, Tharanga, Rajmahal Extension, Bangalore 560006.	A top cover for individually operating seats of bicycles, scooters and motor cycles.
(3)	137335	15-12-1972	Mefina S. A.; 5A Blvd de Peralles, Fribourg, Switzerland.	Arrangements for the adjustment of the temperature of the heating plate in an electric ironing press.
(4)	137345	07-11-1972	The Walter Kidde Co. Ltd; Belvue Road, Northolt, Middlesex, England.	Gas release valve.
(5)	137347	13-04-1973	Texaco Development Corp.; 135 East 42nd street, New York, U.S.A.	Apparatus for controlling independent operating parameter in process system.
(6)	137349	26-07-1973	Thyssen Niederrhein AG; Hütten Und Walwerke, 42 Oberhausen, Essener strasse 66, F.R. of Germany.	Installation for the reduction of iron ores by the method of direct reduction.
(7)	137361	11-01-1973	Abex Corp.; 530 Fifth Avenue, New York, N.Y.U.S.A.	Manufacture of friction elements for vehicle brake lining and the like.
(8)	137370	09-04-1973	USS Engineers & Consultants Inc; 600 Grant Street, Pittsburgh Pennsylvania, U.S.A.	Sliding gate closure construction for bottom pour vessels.
(9)	137398	03-05-1973	Arcan Eastern Ltd; 77 Niagara Street, Hamilton, Ontario, Canada.	Connector mechanism.
(10)	137417	11-12-1972	Dunlop Ltd; Dunlop House, Ryder Street, St. James's, London S.W. 1, England.	Pneumatic tyres.
(11)	137446	09-10-1972	Foster Wheeler Corp.; 110 South Orange Avenue, Livingston, New Jersey, U.S.A.	Fluidized bed reactor.
(12)	137472	14-11-1972	Westinghouse Electric Corp.; Pittsburgh, Pennsylvania, U.S.A.	Sensing system for cut to length shear.
(13)	137477	12-10-1972	Westinghouse Electric Corp.; Pittsburgh, Pennsylvania, U.S.A.	Glass-epoxy laminates for high temperature use.
(14)	137479	16-10-1973	Brighton Corp.; Ltd., No. 5-34, 8-Chome, Akasaka, Minatoku, Tokyo Japan.	Vacuum retaining jar.
(15)	137489	05-01-1973	Caterpillar Tractor Co.; 100 N. E.; Adams Street, Peoria, Illinois-61629, U.S.A.	Swing transmission for excavator.
(16)	137496	10-10-1972	Hindustan Lever Ltd; Hindustan Lever Improved calf feed House, 165-166 Backbay Reclamation, Bombay-400 020.	

1	2	3	4	5
(17)	137503	08-12-1972	Rene Soum; 2 Rue Jolimont, 31 Towlhouse, France.	Linking means for linking pairs of pre-fabricated concrete elements.
(18)	137527	02-07-1973	The K. C. P. Ltd., Ramakrishna Bldg, 38 Mount Road, Madras-6, India.	A clarifying apparatus for clarification of sugarcane juice and other liquids.
(19)	137538	21-01-1974	Council of scientific and industrial Research, Rafi Marg, New Delhi-1, India.	A device for assessing daylight availability and for sunlight penetration.
(20)	137720	23-05-1973	Westinghouse Electric Corp.; Pittsburgh, Pennsylvania, U.S.A.	Thrust bearing assembly.
(21)	137739	21-08-1973	C.S.I.R., Rafi Marg, New Delhi-1, India.	Production of light weight aggregates for use in civil engineering construction.
(22)	137826	02-01-1973	Svenska Rotor Maskiner Aktiebolag; P. O. Box 15085, 10465 Stockholm 15, Sweden.	A Pack of heat transfer plates for regenerative heat exchanger.
(23)	137844	03-01-1973	Sulzer Brothers Ltd; Winterthur, Switzerland.	Steam generating apparatus.
(24)	137855	05-01-1973	Caterpillar Tractor Co; 100 N. E. Adams Street, Peoria, Illinois-61629, U.S.A.	A mounting assembly for slidably supporting a track idler.
(25)	137875	26-09-1973	Canadian Ingersoll-Rand co. Ltd; 620 Cathcart street, Montreal 111, Quebec, Canada.	Drum type debarking apparatus.
(26)	137886	02-07-1974	G. K. Kabra; D-24, Defence Colony, New Delhi-24, India.	An ignition appliance with gas cylinder.
(27)	137891	29-12-1972	The Fiberwoven Corp.; East Main Street, Needled textile fabric, Elkin North Carolina, U.S.A.	
(28)	137950	31-01-1973	Westinghouse Electric Corp.; Pittsburgh, Pennsylvania, U.S.A.	A system for measuring the flow velocity rate of liquid.
(29)	137984	04-09-1973	Sphere Investments Ltd; P. O. Box No. 7788, Trust Corp.; of Bahamas Building, West Bay Street, Nassau, Bahama.	Apparatus for handling irregular objects.
(30)	137998	10-11-1972	Sandvik Aktiebolag, Fack S-81101, Sandviken 1, Sweden.	Cutting elements for cutting tools and a method for forming the same.
(31)	138006	20-02-1973	UOP Inc; 10 UOP Plaza-Algonquin & Mt. Prospect Roads, Des Plaines, Illinois, U.S.A.	Internally ridged heat transfer tube.
(32)	138027	10-08-1973	Dr. Ing Chistion August Meier Windhorst 2110 Windhorst Uber Honburg, GFR.	Apparatus for continuous treatment of webs with hot liquids.
(33)	138040	18-01-1974	Evolution S. A.; Feldmuhlestrasse 29, CH-9400 Rorschach/SG, Switzerland.	Process for the twisting of yarn.
(34)	138044	12-01-1973	Universal Oil Products Co; No. 10, Plaza-Algonquin & Mt. Prospect Roads, Des Plaines, Illinois, U.S.A.	Forming fins on tubes of difficult to roll metal.
(35)	138051	12-02-1974	Clayton Dewandre Co. Ltd; Titanic Works, Lincoln, England.	Spring brake Units.
(36)	138068	16-04-1973	Sandvik Aktiebolag; Fack S-81101, Sandviken 1, Sweden.	Cutting tools.
(37)	138080	16-10-1973	LibbeyOwens Ford Co; 811 Madison Avenue, Toledo, U.S.A.	Apparatus for tempering glass sheets.
(38)	138094	07-12-1973	Simon Carves Ltd; Cheadle Heath, Stockport, Cheshire, England.	Coke ovens.
(39)	138097	09-11-1972	Olin Corp.; P. O. Box 200, Pisgah, Forest, North Carolina, U.S.A.	Smoking article having a carbon filled wrapper.
(40)	138108	13-10-1972	Thomson-CSF; 173 Blvd, Haussmann, 75 Paris 8 eme, France.	Cooling system.
(41)	138115	03-11-1973	Ishikawajima-Harima Jukogyo K. K., No. 2-1, Z-chome, Otemachi, Chiyoda-ko, Tokyo-to, Japan.	Apparatus for making cement clinker by burning raw materials.
(42)	138130	07-10-1972	Elkem Spigerverket A/S; Elkemhuset, Middelethusgate, 27, Oslo 3, Norway.	Smelting process.
(43)	138158	29-10-1973	Thermo King Corp.; Minneapolis, Minnesota, U.S.A.	Heat exchanger defrost apparatus.
(44)	138192	20-02-1973	Etablissement Salgad; Vaduz, Liechtenstein.	Explosive projectile.
(45)	138195	11-01-1974	Westinghouse Air Brake Co; Pittsburgh, Pennsylvania, U.S.A.	Blending valve device for combining fluid pressure and dynamic brakes.
(46)	138214	22-09-1973	Sperry Rand Corp.; Crooks and Maple Road, Troy.	Michigan Filters.
(47)	138215	22-09-1973	Do.	Pumps.
(48)	138221	11-01-1974	Westinghouse Brake & Signal Co. Limited, 2 John Street, London WCINZES, England.	Brake cylinder release valve apparatus.

1	2	3	4	5
(49)	138249	10-07-1973	Ferranti Limited, Hollinwood, Lancashire, England.	An inertial guidance system for aircraft.
(50)	138251	01-08-1973	Misubishi Denki K. K.; No. 2-3, Marunouch 2-Chome, Chiyoda-KU, Tokyo, Japan.	Mounting structure for ferrite core used in the rotor of magneto-generators.
(51)	138260	01-03-1973	Dunlop Limited, Dunlop House, Ryder Street, St. James's, London S. W.1 England.	Making elongated articles of polyolefin articles.
(52)	138261	16-03-1973	James Brown & Sons Limited; Commercial Street, Middlesbrough, Teeside, T.S.2 1QA, England	Components using cast iron cooling tubes.
(53)	138263	22-11-1973	Creusot-Loire; 5 rue de Montessuy, 75007 Paris, France.	Manufacturing large forged collars by press working on a mandril, starting from a pierced blank.
(54)	138274	29-11-1973	Sperry Rand Corp; Crooks and Maple Road, Tray, Michigan-48084, U.S.A.	Fluid filter assemblies
(55)	138300	18-07-1973	Westinghouse Electric Corp; Pittsburgh, Pennsylvania, U.S.A.	A fin and tube type heat exchanger assemblies.
(56)	138321	16-08-1974	Girling Limited; Kings Road, Tysley, Birmingham 11, England.	Fluid pressure brake system.
(57)	138325	12-11-1973	Burroughs Corp; Burroughs Place, Detroit, Michigan-48232, U.S.A.	Firmware and method of manufacturing the same.
(58)	138327	16-08-1973	Burrough Corp; Burroughs Place, Detroit, Michigan-48233, U.S.A.	A micro-programmed processor apparatus.
(59)	138328	08-08-1973	Do.	Microprogrammable parallel bit digital computer.
(60)	138338	27-03-1974	Clayton Dewandre Co. Limited, Titanic works, Lincoln, England.	Apportioning valves for vehicle braking system.
(61)	138341	14-08-1973	Burroughs Corp; Burroughs Place, Detroit, Michigan-48232, U.S.A.	Incremental feed device for advancing paper tape record cards and linked ribbon in printer.
(62)	138344	29-11-1973	Nippon Hoso Kyokai, No 2-1, 2-chome, Jinan, Shibuya-KU, Tokyo, Japan.	A carrier converting equipment.
(63)	138353	05-07-1973	Comalco (J&S) PTY. LTD. 95 Collins street, Melbourne, Victoria, Commonwealth of Australia.	Apparatus for slotting strip materials.
(64)	138356	06-04-1973	Personal Product Corp; Lillton, New Jersey, U.S.A.	Absorbent dressing.
(65)	138361	16-05-1974	Burroughs Corp; Burroughs Place, Detroit, Michigan-48232, U.S.A.	Multi level information processing systems.
(66)	138363	07-10-1972	Council of Scientific and Industrial Research, Rasi Marg, New Delhi-1.	Treating textile materials to impart durable press properties.
(67)	138370	25-05-1974	Ferranti Limited; Hollinwood, Lancashire, England.	Apparatus for checking and correcting the heading alignment of a inertial platform carried by a vehicle.
(68)	138377	03-03-1973	Societe Nationale des Poudres Et Explosifs; 12, Quai Henri IV, 75181, Paris, Cedex 04, France.	Solid fuel rocket engine.
(69)	138397	24-05-1973	Humes Ltd; 185 William street, Melbourne, Commonwealth of Australia.	A mould for manufacturing a concrete products.
(70)	138398	14-02-1974	The Lucas Electrical Co. Ltd; Well street, Birmingham 19, England.	Extrusion tools.
(71)	138469	03-01-1974	Baignol & Tarjon S.A.; rue Gerhard Hansen, Boulogne-sur-mer, Pas de Calais, France.	Method for the manufacture of moulded pointed objects more particularly writing objects.
(72)	138505	14-03-1973	Edward H. Cumpston JNR; 143 Manument Avenue; Old Bennington, Vermont 05201, U.S.A.	Mixer Refiner.
(73)	138506	14-03-1973	Do.	Do.
(74)	138530	02-03-1973	USS Engineers and Consultants Inc; 600 Grant street, Pittsburgh, Pennsylvania, U.S.A.	Variable speed directional control mechanism.
(75)	138639	22-05-1973	Societe Nationale Des Poudres Et Explosifs; 12 Quai Henri IV, 75181 Paris Cedex 04 France.	Apparatus for machining the inside of large cylindrical bodies
(76)	138680	28-02-1972	Vandervell Products Ltd; Narden Road, Maidenhead, Berkshire, England.	Bearings for axles of railway vehicles.
(77)	138692	01-10-1973	The Firestone Tires & Rubber Co; 1200 Fire stone Parkway, Akron Ohio-44317, U.S.A.	Pneumatic tyre.
(78)	138693	26-03-1973	Dr. Karl Thomea Gesellschaft, D-7950 Biberach an der Riss, F.R.G.	Containers.
(79)	138756	03-10-1974	GoodYear Aerospace Corp; 1210, Massillon Rd, Akron, Ohio, U.S.A.	Cargo Container.
(80)	138760	04-06-1973	Compagnie Des Freins Et Signaux Westinghouse, 93 Sevran, France.	Regulation device for a self lapping valve.

1	2	3	4	5
(81)	138762	11-01-1973	Coal Industry (Patents) Ltd; Hobert House, Grosvenore Place, London S.W. IX 7AE, England.	Flexible ducting and joints for such ducting.
(82)	138763	11-09-1973	Chicago Pneumatic Tool Co; 6 West 44th Street, New York, N.Y. U.S.A.	Stall torque air shut-off control for pneumatic nut runner.
(83)	138771	17-07-1973	Jens Tronje Lauenborg, Fjellum, N-1640, Raade, Norway.	Ship hulls.
(84)	138779	05-04-1974	Chief Controller R & D, Ministry of Defence, Govt. of India, New Delhi.	A demagnetizer for rail joints.
(85)	138780	16-04-1974	Girling Ltd; Kings Road, Tyseley, Birmingham-11, England.	Hydraulic braking system for vehicle.
(86)	138788	05-06-1973	Coulter Information Systems; T De Angelo Drive, Bedford, Massachusetts, U.S.A.	Manufacturing an electro-photographic film article.
(87)	138802	03-03-1973	Olear Patent Co; Jacques H Mercier, 28 rue d' Armenonville, 92200, Neuilly-sur-Seine.	Pressure vessel.
(88)	138810	22-03-1973	Dunlop Ltd; Dunlop House Ryder Street, St. James's, London S.W. 1, England.	Pneumatic tyre and wheel assemblies.
(89)	138860	06-09-1973	Allis Chalmers Corp; 1126 South Yoth Street, West Allis 14, Wisconsin, U.S.A.	Grate conveyor side plate assembly.
(90)	138861	13-09-1973	The Lucas Electrical Co. Ltd; Well street, Birmingham 19, England.	Direction indicator system for tractor trailer vehicles.
(91)	138865	25-08-1973	Rist wires and cables, Lower Milehouse Lane, Newcastle Underlyne, Staffordshire, England.	Wiring horns used for example in vehicles.
(92)	138868	27-11-1973	Australian Wire Industries Proprietary Ltd; 140 William Street, Melbourne, Victoria, Commonwealth of Australia.	Concrete reinforcing element and reinforced composite incorporating same and an apparatus.
(93)	138873	13-03-1974	The Joseph Electrical Co. Limited, Well street, Birmingham 19, England.	Vehicle starting systems.
(94)	138892	23-06-1973	Sperry Rand Corp; Crock & Maple Roads, Troy, Michigan-48084, U.S.A.	Pumps and Motors.
(95)	138916	13-11-1973	Rudwick Brickworks Co. Ltd; Lynwick street, Rudywick, Sussex RH12 3DH, England.	Manufacture of bricks.
(96)	138953	13-06-1973	Canadian Jesuit Missions, 833 Broadview Avenue, Toronto, Ontario, Canada M4K2P4.	I-C engine using hydrogen as fuel.
(97)	138978	22-03-1974	Carrier corpn; Syracuse, New York, U.S.A.	Capacity control device for reciprocating compressor.
(98)	139011	14-03-1973	USS Engineers and Consultants Inc; 600 Grant Street, Pittsburgh, Pennsylvania, U.S.A.	Idler roll mounting construction.
(99)	139045	05-02-1974	Dunlop Ltd; Dunlop House, Ryder street, St. James's, London-S.W.1, England.	Earthmover tyre.
(100)	139050	13-09-1973	Atlantic Films Ltd; 625 President Kennedy Avenue, Montreal, Quebec, Canada.	Movable light transparency wedge for still or movie film projectors.
(101)	139056	27-09-1973	USS Engineers & Consultants Inc; 600 Grant street, Pittsburgh, Pennsylvania, U.S.A.	Composite roll and method of forming the same.
(102)	139060	08-10-1974	McNeil Corp; 96 East Crasier Street Akron, Summit, Ohio-44311, U.S.A.	Apparatus to position a tire for curing.
(103)	139072	01-05-1974	The Broken Hill Proprietary Co. Ltd., 140, William street, Melbourne, Victoria.	Apparatus for application of sealant to a container member.
(104)	139080	26-02-1973	USS Engineers and Consultants Inc; 600 Grant Street, Pittsburgh, Pennsylvania, U.S.A.	Apparatus for rotating elongated articles.
(105)	139142	16-02-1973	National-Southwire Aluminium Co; P. O. Box 1000, Carrollton, Georgia 30111, U.S.A	Apparatus for producing metal.
(106)	139326	19-07-1973	Caledonian Mining Co. Ltd; Carlton House, Carlton-Trent, Nework, Nottinghamshire, England.	Apparatus for preparing and dispensing mixtures of concrete and fibres.
(107)	139328	17-09-1975	M. Ramaswamy, Meenakshi Nilayam, TPK Road, Madurai.	An I-C engine.
(108)	139350	02-03-1974	Messier-Hispano S. A. 15, Avenue d'Eylan, 75116, Paris, France.	Landing gear and fuselage set with wheels drawn.
(109)	139581	14-08-1974	Cadbury Ltd; Bournville, Birmingham, England.	Manufacturing milk chocolate.
(110)	139627	14-08-1974	Do.	Do.
(111)	139802	28-11-1973	Sandra Rajnikant Shroff; Excel Estate, Swami Vivekanand Road, Goregaon, Bombay, India.	A collapsible liquid container.

REGISTRATION OF ASSIGNMENTS, LICENCES,
ETC (PATENTS)

Assignments, licences or other transactions affecting the interests of the original patentees have been registered in the following cases. The number of each case is followed by the names of the parties claiming interests.—

110006 Arnavas Cawas Mody

139634. Mis Aruna Kumar

PATENTS DECLINED TO BE ENDORSED WITH
THE WORDS 'LICENCES OR RIGHT'

The following patents are deemed to have been endorsed with the words 'Licences or right' under Section 87 of the Patents Act, 1970. The dates shown in the crescent brackets are the dates of the patents

No & Title of the Invention

105812 (20-4-72) Process for producing L-Lysine by Fermentation
 127401 (6-7-70) A new process of making Silica Gel from water glass.
 127981 (11-8-70) Process for producing a titanium dioxide concentrate
 128278 (2-9-70) Process for the production of Ethylene Oxide
 132559 (18-8-71) Improvements in or relating to a process for making mineral products for use in electric arc welding
 133387 (27-10-71) Process for the selective polymerization of alphaolefins
 133628 (15-11-71) Process for the manufacture of slow acting Nitrogen Fertilizer
 133967 (16-12-71) Process for the production of azo dye stuffs.
 134041 (22-12-71) Process for the manufacture of Hydrazine
 134077 (27-12-71) A method for manufacturing an Elongated Article
 134322 (19-1-72) Method of producing abrasive material
 134430 (31-1-72) Process for the preparation of Urea
 135799 (17-5-72) Improvements relating to a process for preparing age resistant polymers.
 135831 (23-5-72) A process for recovery of a lactam
 135867 (7-9-72) Preparation of N-(1-ethyl -pyrrolidyl-methyl)-2-methoxy-5-sulfonamidobenzamide
 135900 (27-4-72) Process for the controlled polymerization of hexachlorophosphazene
 136020 (16-6-72) Process for the production of cholera L form Lysate Vaccines

RENEWAL FEES PAID

76141 77133 78001 79384 81462 82243 87466 87547 87564
 87922 87937 88014 88053 88115 89068 89855 91938 93143
 93280 93343 93346 93474 93571 93703 93731 93875 95140
 95236 96714 98853 98942 98943 98954 99194 99215 99322
 99493 99500 99607 99613 99702 99785 99791 99988
 100051 101400 104013 104255 104382 104869 105358 105397
 105457 105477 105486 105655 105756 106468 106741 106850
 107118 107119 107809 108219 108310 108980 108998 109425
 109451 109642 110113 110212 110245 110289 110303 110351
 110374 110408 110421 110661 110702 110783 111283 111323
 111799 111826 111963 111967 112014 112349 112409 112911
 113212 113469 113494 113650 113719 114446 114534 114741

114931 115239 115307 115353 115378 115379 115380 115381
 115382 115383 115384 115385 115394 115481 115557 115583
 115587 115589 115632 115680 115760 115785 115802 115812
 115815 115819 115902 115940 115985 116158 116192 116224
 116395 116436 116920 117601 118204 118952 119466 119723
 120660 120661 120666 120799 120846 120943 120962 120989
 121003 121004 121012 121027 121037 121038 121041 121131
 121132 121148 121179 121306 121259 121282 121287 121317
 121350 121355 121518 121554 121604 121888 122219 123214
 123432 123666 123864 124531 125063 125476 125513 125832
 125843 125993 126125 126141 126152 126153 126154 126171
 126184 126208 126262 126337 126426 126434 126446 126567
 126608 126646 126647 126743 126814 126815 126976 127248
 127349 127573 127770 127968 128173 128553 128607 128727
 129016 129846 129916 130394 130516 130645 130891 130894
 130900 130943 130951 131055 131058 131060 131080 131142
 131161 131184 131205 131246 131270 131328 131405 131450
 131540 131564 131576 131677 131678 131748 131772 131780
 131807 131840 131977 132025 132123 132180 132181 132270
 132641 133074 133172 133175 133247 133362 133363 133675
 133959 134137 134138 134207 134228 134863 134988 135185
 135218 135219 135234 135238 135270 135275 135408 135428
 135458 135486 135551 135655 135706 135826 136050 136068
 136114 136142 136233 136234 136277 136281 136282 136488
 136547 136623 136792 136798 136816 136817 136818 136824
 136850 136864 136875 137147 137260 137847 137921 138062
 138063 138253 138334 138335 138370 138371 138504 138556
 138608 138639 138714 138855 138858 138949 138986 139016
 139034 139120 139130 139162 139187 139276 139318 139362
 139424 139433 139513 139602 139681 139682 139703 139779
 139844 140022 140065 140089 140155 140536 140682 140782
 140847 140908 140932 140961 141035 141088 141098 141108
 141184 141285 141288 141354 141381 141416 141459 141493
 141498 141530 141689 141703 141727 141812 141819 141880
 141961 141962 141963 141964 141965 141966

RESTORATION PROCEEDINGS

(1)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No 122356 granted to Otto Alfred Beckel for an invention relating to "improvements in and relating to the electroplating of the cut edges of sheet metal panels". The patent ceased on the 5th June, 1977 due to non-payment of renewal fees within the prescribed time and the cessation of the Patent was notified in the Gazette of India, Part III, Section 2 dated the 31st December 1977.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office 214, Acharya Jagadish Chandra Bose Road, Calcutta 17 on or before the 13th July, 1978 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of Opponent's interest the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice

(2)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No 134681 granted to Institutul De Cercetare Si Proiectare Tehnologica Pentru Prelucrarea Titenei for an invention relating to "procedure and reactor for destructive hydrocracking of lube oils". The patent ceased on the 19th February, 1977 due to non-payment of renewal fees within the

prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 8th April, 1978.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17 on or before the 13th July, 1978 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(3)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 140168 granted to The Director, All India Institute of Medical Sciences for an invention relating to "a process for the preparation of an vaccine for the prevention of pregnancy". The patent ceased on the 8th September, 1977 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 8th April, 1978.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17 on or before the 13th July, 1978 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(4)

Notice is hereby given that an application for restoration of Patent 110297 dated the 19th April, 1967 made by Indrajit Chaliha on the 14th September, 1977 and notified in the Gazette of India, Part III, Section 2 dated the 29th October, 1977 has been allowed and the said patent restored.

(5)

Notice is hereby given that an application for restoration of Patent No. 128935 dated the 21st October, 1970 made by Larsen & Toubro Limited on the 20th September, 1977 and notified in the Gazette of India, Part III, Section 2 dated the 12th November, 1977 has been allowed and the said patent restored.

(6)

Notice is hereby given that an application for restoration of Patent No. 137115 dated the 20th June, 1973 made by The Fertilizer Corporation of India Limited on the 5th August, 1977 and notified in the Gazette of India, Part III, Section 2 dated the 15th October, 1977 has been allowed and the said patent restored.

(7)

Notice is hereby given that an application for restoration of Patent No. 139435 dated the 1st October, 1974 made by Indrajit Chaliha and Jadav Prasad Chaliha Memorial Trust on the 14th September, 1977 and notified in the Gazette of India, Part III, Section 2 dated the 29th October, 1977 has been allowed and the said patent restored.

REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown in each entry in the date of registration of designs included in the entry.

Class 1. No. 145798. Ajit Singh Chopra, of 31, D. C. Day Road, Tangra, Calcutta-700 015, West Bengal, India an Indian citizen "Tandoor" July 6, 1977

Class 1. No. 145851. Hammar Toys, 7524/B Gali Quabristan, Quasabpura, Sadar Bazaar, Delhi, an Indian partnership concern. "Toy Bus". July 23, 1977

Class 3. Nos. 145553, 145554, 145555, 145556, 145557, 145558, 145559, 145560, 145561 & 145562. Mona Toys Industries, a partnership firm of C-124, Rewari Line, Industrial Area Phase-II, Maya Puri, New Delhi-27, India. "Toys" May 1, 1977.

Class 3. No. 145807. Shrikant Digambar Gogate and Sashikant Digambar Gogate both being Indian Citizens and Both residing at : C/o. B. D. Gogate, B-c, Shastri-nagar, Swami Vivekananda Road, Borivli (West) Bombay-400 092, Maharashtra, India. "A dust cover for sewing machines", July 8, 1977.

Class 3. No. 145908. Patos Electronics (P) Ltd. 5, Community Centre, Naraina Industrial Estate, New Delhi-110027, an Indian Private Limited Company. "Cassette Tape Recorder cum Radio" July 8, 1977.

Class 3. No. 145809. Kurupacherry Xavier Benedict, Ochanthuruth, Cochin 682 508, Kerala, India, Indian "Bulb Holder" July 8, 1977.

Class 2. No. 145826. Mabro Industries, 1816, Chandni Chowk, Delhi-6, an Indian Partnership Concern. "Calender-cum-Pen Stand", July 13, 1977.

Class 3. No. 145827. Balbro Industries, 1816, Chandni Chowk, Delhi-6, an Indian Partnership Concern. "Calender" July 13, 1977.

Class 12. No. 145935. Bharani Chemical Industries 23B, Chairman Muthuramai Road, Madurai, Tamil Nadu, an Indian Partnership Concern. "Soap bar" August 23, 1977.

Name Index of Applicant for Patents for the Month of February, 1978 (Nos. 116/Cal/78 to 218/Cal/78, 33/Bom/78 to 56/Bom/78, 14/Mas/78 to 31/Mas/78 and 87/Del/78 to 162/Del/78)

Name & Appln. No.

-A-

Aerojet-General Corporation.—129/Cal/78.

Ahmedabad Textile Industry's Research Association.—50/Bom/78.

Ajaz, M.—92/Del/78.

Alkaloida Vegyeszeti Gyar.—184/Cal/78.

Aluminum Company of America.—89/Cal/78.

American Cyanamid Company.—132/Cal/78 and 189/Cal/78.

Anand Kumar, T. C.—99/Del/78.

Anu Enterprises.—108/Del/78 and 109/Del/78.

Asea Aktiebolag.—131/Del/78

Ashland Oil Inc.—142/Del/78.

Aziz, M.—92/Del/78.

-B-

BASF Aktiengesellschaft.—177/Cal/78, 203/Cal/78 and 206/Cal/78.

Babcock Controls Limited.—93/Del/78.

Balasundaram, R. N.—30/Mas/78.

Bayer Aktiengesellschaft.—106/Del/78, 128/Del/78 and 155/Del/78.

Bharat Heavy Electricals Limited.—110/Del/78, 111/Del/78, 112/Del/78, 113/Del/78, 117/Del/78, 118/Del/78, 119/Del/78, 127/Del/78, 132/Del/78 and 133/Del/78.

Bhogramazov, J. I.—209/Cal/78.

Bhowmick, I. B. (Dr.).—180/Cal/78.

Bioresearch S.a.s. del Dr. Livio Camozzi & Co.—174/Cal/78.

Birla Research Institute for Applied Sciences.—54/Bom/78.

British Industrial Plastics Limited.—96/Del/78.

Buckner, B. J.—188/Cal/78.

Buhler-Miag G.m.b.H.—151/Cal/78.

Name & Appln. No.	Name & Appln. No.
-C-	-H-
Cableform Limited.—116/Del/78.	Higgins, P. B.—144/Cal/78.
Carpenter, N. L.—138/Del/78.	Hindustan Lever Limited.—39/Bom/78.
Car Limited.—116/Cal/78.	Hoechst Aktiengesellschaft.—202/Cal/78 and 213/Cal/78.
Cement Research Institute Director, The—1251/Del/78.	Hyderabad Allwyn Metal Works
Chawla, J. P. (Dr.)—126/Del/78.	Limited, The.—27/Mas/78.
Cement Research Institute Director, The—125/Del/78.	-I-
Chernoglazov, A. P.—197/Cal/78 and 209/Cal/78.	IDL Chemicals Limited.—23/Mas/78.
Chinoin Gyogyszer ES Vegyeszeti Termek Gyara Rt.—118/Cal/78.	I.S.F. Spa.—103/Del/78 and 104/Del/78.
Chlorine Engineers Corp. Ltd—176/Cal/78.	Imperial Chemical Industries Limited.—91/Del/78 and 121/Del/78.
Ciba-Geigy AG.—162/Del/78.	Indian Institute of Technology.—18/Mas/78.
Bluett, Peabody & Co. Inc.—88/Del/78.	International Standard Electric
Combustion Engineering, Inc.—185/Cal/78.	Corporation.—168/Cal/78.
Cotton Incorporated.—147/Cal/78.	Interox.—149/Del/78.
Council of Scientific and Industrial Research.—90/Del/78, 105/Del/78, 134/Del/78, 135/Del/78, 147/Del/78, 150/Del/78, and 151/Del/78.	Jyer, S.I.G.—19/Mas/78.
Cummins Engine Company Inc.—162/Cal/78.	Iyer, S. I. K.—26/Mas/78.
-D-	-J-
Damm, S.—207/Cal/78.	Jenkins Metal Corporation.—114/Del/78.
Dandekar, S. R. (Mrs.)—33/Bom/78, 38/Bom/78, 42/Bom/78, and 46/Bom/78.	Johns-Manville Corporation.—179/Cal/78.
Das, M. K.—156/Cal/78.	Juppets, F. R.—209/Cal/78.
Delta Plastics Limited.—138/Cal/78.	-K-
De Polo, H. R.—115/Del/78.	Kabel-Und Metallwerke
Didier Engineering GMBH.—145/Cal/78.	Gutehoffnung Hütte
Director, Cement Research Institute, The—125/Del/78.	Aktiengesellschaft.—215/Cal/78.
Dlugolecki, J.—170/Cal/78.	Kazakevich, G. Z.—197/Cal/78 and 208/Cal/78.
Doraiswamy, R. N.—30/Mas/78.	Khanna, S. R.—37/Bom/78.
Dornier System GmbH.—161/Del/78.	Khuthia, L. P.—52/Bom/78.
Dow Chemical Comany, The—161/Cal/78.	Kipnis, A. B.—209/Cal/78.
-E-	Kirloskar Oil Engines Limited.—48/Bom/78.
Elagin, J. I.—209/Cal/78.	Klein, Schanzlin & Becker
Escher Wyss Limited.—182/Cal/78.	Aktiengesellschaft.—137/Cal/78 and 146/Cal/78.
Explosafe S. A.—163/Cal/78.	Kling, A.—194/Cal/78.
-F-	Kobe Steel, Ltd.—173/Cal/78.
F. LLI Marzoli & C. S.P.A.—140/Del/78.	Kontiki Chemicals and Pharmaceuticals
Fernandes, J. C.—35/Bom/78.	(Pvt.) Ltd.—25/Mas/78.
Ferranti Limited.—136/Del/78.	Kornclis' Kunsthars Production
Filters International, Inc.—196/Cal/78.	Industries B. V.—167/Cal/78.
Fives-Cail Babcock.—143/Cal/78.	Kraftwerk Union Aktiengesellschaft.—218/Cal/78.
Foseco Trading AG.—159/Del/78.	Krishnamurthy, K.—24/Mas/78.
-G-	Krupp-Koppers GMBH.—123/Del/78.
Gelenkwellenbau GMBH.—178/Cal/78.	Kulikova, E. B.—197/Cal/78.
Ghatage, V. M. (Dr.)—126/Del/78.	-L-
Girling Limited.—130/Del/78.	Larsen & Toubro Limited.—43/Bom/78.
Gopal V.—31/Mas/78.	Lele, S. N.—120/Cal/78, 121/Cal/78, 122/Cal/78 and 123/Cal/78.
Gupta, H. R.—166/Cal/78.	Levoni, C. P.—154/Cal/78.
	Levoni, G. P.—154/Cal/78.
	Lokanathan, G.—29/Mas/78.
	Lubrizol Corporation, The.—136/Cal/78.
	Lucas Industries Limited.—150/Cal/78 and 158/Cal/78.
	Lupke, G. P. H.—210/Cal/78.
	Lupke, M. A. A.—210/Cal/78.

Name & Appln. No.	Name & Appln. No.
-M-	-M-
M. L. Aviation Company Limited.—169/Cal/78.	Reim, P.—122/Del/78.
Manik Metals & Trading Co. Private Ltd.—53/Bom/78.	Relf, D. J.—188/Cal/78.
Maschinfabrik Reiter AG.—171/Cal/78.	Reznikov, G. L.—209/Cal/78.
Matisa Materiel Industries S. A.—100/Del/78.	Rheinmetall GMBH.—198/Cal/78.
Metallgesellschaft A. G.—117/Cal/78.	Richter Gedeon Vegyeszeti Gyar RT.—181/Cal/78.
Mineral Deposits Limited.—120/Del/78.	Rohm and Haas Company.—97/Del/78.
Moghe, A. R.—47/Bom/78, and 48/Bom/78.	Roy, P. R.—193/Cal/78.
Mohan Ortmann & Herbet Ltd.—145/Del/78, 146/Del/78, 152/Del/78 and 153/Del/78.	Roye, H. L.—98/Del/78.
Montedison, S.p.A.—149/Cal/78.	-S-
Mosal Aluminium, Elkem-Spigerverket A/S & Co.—140/Cal/ 78.	Saint-Gobain Industries.—200/Cal/78.
-N-	Sanghani, S. K. (Dr.).—56/Bom/78.
N. V. Philips Gloeilampenfabrieken.—124/Cal/78.	Sarma, S. S.—20/Mas/78.
Naik, D. S.—41/Bom/78.	Scheweiter Engineering Works Limited.—159/Cal/78.
Nanchand, S. V.—34/Bom/78.	Schlumberger Overseas S. A.—125/Cal/78.
Nelles, W.—214/Cal/78.	Schubert & Salzer Maschinenfabrik Aktiengesellschaft.—126/Cal/78 and 152/Cal/78.
Nippon Light Metal Company Limited.—190/Cal/78 and 191/ Cal/78.	Science Union ET Cle, Societe Francaise DE Recherche Medicale.—148/Del/78.
-O-	Serednicka, B.—170/Cal/78.
Ortho Pharmaceutical Corporation.—204/Cal/78.	Shah, J. B.—55/Bom/78.
Ozolina, G. D.—209/Cal/78.	Shell Internationale Research Maatschappij B. V.—156/Del/78 and 157/Del/78.
-P-	Sherritt Gordon Mines Limited.—135/Cal/78.
Parikh, H. L.—36/Bom/78.	Shilnikov, A. I.—197/Cal/78 and 209/Cal/78.
Patel, R. P.—192/Cal/78.	Shuaib, M.—92/Del/78.
Patil, P. R.—44/Bom/78 and 51/Bom/78.	Societa' Italiana Telecommunicazioni Siemens S.p.A.—133/Cal/78.
Pattanayak, D.—175/Cal/78.	Societe Alsacienne DE Constructions Mecaniques DE Mulhouse.—119/Cal/78.
Pavri, Hoshang D. P.—172/Cal/78.	Societe Des Produits Nestle S. A.—127/Cal/78.
Pendse, G. W.—45/Bom/78.	Societe D'Etudes DE Machines Thermiques S.E.M.T.—154/Del/78.
Phenoweld Polymer Private Limited.—40/Bom/78.	Societe D'Etudes De Produits Chimiques Societe Anonyme.—94/Del/78.
Phillips Petroleum Company.—157/Cal/78.	Societe Nationale Des Poudres Et Explosifs.—95/Del/78.
Pillai, D. S.—144/Del/78.	Southwire Company.—129/Del/78.
Pitchappan, R.—16/Mas/78.	Stamcarbon B. V.—137/Del/78.
Pittsburgh Corning Corporation.—141/Cal/78 and 142/Cal/78.	Standard Oil Company, The.—201/Cal/78.
Polska Akademia Nauk, Instytut Chemii Organicznej.—153/Cal/78.	Sterling Drug Inc.—141/Del/78.
Pont-A Mousson S. A.—187/Cal/78.	Stremoukhov, V. N.—209/Cal/78.
Posnansky, M.—183/Cal/78.	Sundaram, S. (Smt.).—15/Mas/78.
President of Tohoku University.—186/Cal/78.	-T-
-R-	Tata Iron and Steel Company Limited, The.—164/Cal/78.
RCA Corporation.—217/Cal/78.	Telefonaktiebolaget L. M. Ericsson.—102/Del/78 and 124/ Del/78
Rafek Industrial Group, Ltd., The.—155/Cal/78.	Tesa S. A.—143/Del/78.
Rao, F. G.—17/Mas/78.	Texaco Development Corporation.—199/Cal/78.
Rapem (Recherches et Applications Electroniques en Medicine).—101/Del/78.	

<i>Name & Appln. No.</i>	<i>Name & Appln. No.</i>
-T- (<i>Contd.</i>)	-V-
Thangathirupathy, V. V.—14/Mas/78.	Veecumsee, D. H.—21/Mas/78.
Thapar, R. S.—99/Del/78.	Vereinigte Österreichische Eisen-Und
Toyo Soda Manufacturing Co. Ltd.—128/Cal/78.	Stahlwerke-Alpine Montan Aktiengesellschaft.—160/Cal/78, and 208/Cal/78.
Tulsky Proektno-Konstruktorsky Tckhnologichesky Institut Mashinostroenie.—165/Cal/78.	Vijayan, T. A.—22/Mas/78.
-U-	Vireco A. G.—148/Cal/78.
UCB, S. A.—107/Del/78.	-W-
USM Corporation.—160/Del/78.	Wellcome Foundation Limited, The.—205/Cal/78.
USS Engineers and Consultants, Inc.—87/Del/78 and 139/ Del/78.	Westinghouse Electric Corporation.—130/Cal/78, 131/Cal/ 78, 139/Cal/78 and 216/Cal/78.
Union Carbide Corporation.—158/Del/78, 211/Cal/78 and 212/Cal/78.	Widmer & Ernst A. G.—134/Cal/78.
Universal Packaging Private Ltd.—28/Mas/78.	-Y-
Utiger, U.—183/Cal/78.	Yablokova, I. E.—197/Cal/78 and 209/Cal/78.
	Youngflex S. A.—195/Cal/78.

S. VEDARAMAN.

Controller-General of Patents, Designs
and Trade Marks.

